CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Transmission line, Virginia Electric & Power Co., Virginia and North Carolina, plans improving system, $6,652,339.

Pipe line, Texas, Humble Pipe Line Co., Houston and Amarillo, making plans, $3,000,000.

Irrigation system, Eagle Pass, Texas, Maverick Co., making plans and soon takes bids, $2,000,000.

Waterworks, Santa Barbara, Calif., making surveys, $1,800,000.

Roads, Council Bluffs, Ia., Pottawayomic Co., voted $1,600,000 bonds.

School, Philadelphia, Pa., Archdiosese of Philadelphia, having plans prepared, $1,500,000.

Y.M.C.A. building, Philadelphia, Pa., having plans prepared, $1,500,000.

Sewers, Toronto, Ont., making plans, $1,000,000.

High school, Rock Island, Ill., Bd. Educ. having plans prepared, $1,000,000.

Bids Desired

Transit extension, Boston, Mass., Transit Dept., bids open Aug. 17, Sect. 2 Rapid Transit System; Aug. 31, Sect. 3, $4,500,000.

Theater, San Francisco, Calif., H. A. Minton, bids open about Aug. 20, $1,500,000.

Candy factory, St. Louis, Mo., Nat'l Candy Co., takes bids about Aug. 25, $1,000,000.

Bids Received

Bridge, Harrisburg, Pa., Dept. Property & Supplies, from James McGraw Co., Philadelphia, $1,824,851.

Contracts Awarded

Gas pipe line, Texas, Prairie Oil & Gas Co., Amarillo, to Nat'l Supply Co., Pittsburgh, Pa., approx. $3,000,000.

Hotel, San Francisco, Calif., Huckins Hotel System to Lindgren & Swinerton, $2,000,000.

Waterworks, Corpus Christi, Texas, to Smith Bros., $1,585,000.

Office and garage, Toronto, Ont., G. A. Stimson & Co. to Carswell Constr. Co., Ltd. Archts. est., $1,500,000.

Loft, B. F. Cohen, Philadelphia, Pa., to Taylor Meyers, Pittsburgh, Pa., $1,250,000.

Apartment, Richmond, Va., Monroe Terrace Interests, to Wise Granite and Construction Co. and A. J. Saville, Inc., $1,100,000.

Club, Chicago, Ill., Granger and Bollenbacher, archts., to E. L. Scheidehelm Co. Archts. est., $1,000,000.

News of the Week

Waterworks

Proposed Work

Conn., Putnam—Plans waterworks improvements, incl. new standpipe on Richmond Hill and standpipe enlargements, Bates Hill. $135,000 appropriated.

N. Y., Chautauqua—Making plans filtration and pumping plants. $40,000. Pease, Greeley & Hansen, 6 North Michigan Ave., Chicago, Ill., engrs.

Ga., Tallapoosa—J. W. Hildebrane, city clk., plans extending mains in various streets. K. F. Thomas, McGlawn Bowen Bldg., Atlanta, engr.

Mich., Berkley—Voted $25,000 bonds, waterworks improvements, incl. elevated tank, motor driven pump, etc. R. A. Murdoch Co., 602 Transportation Bldg., Detroit, engrs. Noted May 26.

Ill., Washburn—Takes bids about Aug. 16, 28,550 ft. 4- to 8-in. c.i. mains, 43 fire hydrants, thirty 4 in., sixteen 6 in. and two 8 in. valves, etc. in various streets. $42,689. Kinsey Eng. Co., Arcade Bldg., Pekin, engrs.

Kan., Bonner Springs—Voted $20,000 bonds, extending waterworks. E. T. Archer & Co., 609 New England Bldg., Kansas City, Mo., engrs.

Ark., Sheridan—Soon takes bids complete waterworks distribution system, sewers etc. in various streets. $75,000.

Tex., Barreda—Lasby & Crawford, San Benito, plans 1 story waterworks plant. $40,000. Engineer not announced.

Tex., Glen Rose—Making plans and soon takes bids water filtration plant and mains, etc. in various streets. $30,000. H. B. McAllister, Glen Rose, engr.

Tex., Pampa—Voted $70,000 bonds, extending waterworks. Engineer not announced.

Tex., San Benito—Central Power & Light Co., c/o F. C. Udden, dist. mgr., Frost Bldg., San Antonio, making plans brick and concrete filtration plant, 1 m.g.d. $50,000. Alvord, Burdick & Howson, 8 South Dearborn St., Chicago, Ill., consult. engrs. Noted June 9.

Tex., San Antonio—B. W. Mills c/o F. H. Booth, Frost Bldg., San Antonio, making plans new waterworks, in Palm Heights, here. $45,000.

Okla., Knowles — Made preliminary plans new waterworks, incl. deep well pump, motors, etc. $20,000. G. Hester, mayor.

Wash., Chehalis—Voted $80,000 bonds, 5 m.g. reservoir. B. Bantz, city engr.

Wash., Hoquiam—Making preliminary plans and surveys, industrial water resources, etc. C. E. Dorisy, Three Tree Point, and H. L. Gray, Henry Bldg., both Seattle, consult engrs.

Calif., Redwood City—E. M. Kneese, clk. San Mateo Co., withdrew call for bids to have been opened July 11, domestic water supply system for Ravenswood Water Dist. Will readvertise.

Calif., Riverside—Making plans additional water supply in Fairmount Park. $15,000 or more. E. R. Bowen, Central Bldg., Los Angeles, engr.

Calif., Santa Barbara—Making surveys Mona Dam and additional tunnel through mountains as auxiliaries to water system. $1,800,000. V. E. Trace, city water supt.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Ont., Carleton Place—Making plans extending approximately 1 mi. 6 in. c.i. mains with specials, valves, hydrants, etc. in various streets. $15,000. E. A. Wilson, Carleton Place, engr.

Ont., Gananoque—Making plans extending 8,330 lin. ft. 6. in. and up c. i. mains, in various streets. $26,000. H. Rogers, Gananoque, engr.

Ont., Sandwich—Making plans extending approximately 1.5 mi. 6 in. c.i. mains, etc. in Dominion St. $20,429. C. R. McCall, Gas Bldg., Windsor, engr.

Ont., Swastika—Teck Twp. Council making plans waterworks and sewerage systems. $50,000. H. Sutcliffe, New Liskeard, engr.

Ont., Thorold—Thorold Twp. making plans 2 to 3 mi. 6. in c. i. mains, valves, etc., in various streets. $30,000. W. Chipman, Mail Bldg., Toronto, engr.

Ont., Willowdale—North York Twp. making plans 1 mi. 6 and 8 in. c. i. mains, valves, hydrants, etc. in Dufferin St., Beachmount and Hill Aves. $15,000. G. Baker, Willowdale, engr. Noted Feb. 17.

Bids Desired

Pa., Harrisburg—Aug. 15, by Dept. Pub. Wks., Bureau of Water, S. F. Haasler, supt., 36 in. force mains in various streets, adv. E. N.-R. Aug. 4.

Mich., Detroit—Aug. 10, by Bd. Water Comrs., 176 East Jeffierson Ave., superstructure weir and control chambers, 17,000 lb. structural steel, 700 cu.ft. cast stone work, 1,300 sq.ft. tile roof, 45,000 common and 20,000 face brick, etc. G. H. Fenkell, 176 East Jefferson Ave., engr.

Ill., Chicago—Aug. 9, by City, Room 207, City Hall, water service pipes and drains in various streets and avenues. M. J. Faherty, pres. Bd. Local Impvts.

Nev., Reno—Aug. 15, by E. H. Beemer, clk. Washoe Co., water pipe line between town of Wadsworth and Darby Canal, excavating and backfill trench 5,500 ft. long, 20 in. wide and 30 in. deep; approximately 1,000 cu.yd. excavation, 5,700 ft. 8 in. pipe, average haul 1 mi.; 5,700 ft. 8 in., 14 gage Armco welded iron pipe with field joints welded with 3 tees, 2 gate valves, 2 outlets, 1 in. globe valves and connections to existing lines at terminals. King & Malone, Cladinos Bldg., engrs.

Contracts Awarded

Mass., Springfield—Bd. Water Comrs. Contr. 10, Coble Mountain Diversion Tunnel to Coleman Bros. Inc., 245 State St., Boston, $362,800. Noted June 23 under "Unclassified."

La., Roseland—Town Council, Town Hall, general contract waterworks, to A. B. Hayden, Christian Pass, Miss., $12,086; pipe, to Dixie Mill Supply Co., 901 Tchoupitoulas St., New Orleans, $6,993; valves and hydrants, to Columbian Iron Wks., 811 Boyce St., Chattanooga, Tenn., $1,422; pumps, to Walter Castanedo, Inc., Canal Commercial Bldg., New Orleans, $3,466; tank on tower, to Chicago Bridge & Iron Wks., Hawly Bldg., Atlanta, Ga., $6,200; wells, to Blakemore Drilling & Eng. Co., New Orleans, $5,380. Grand total $35,547. Noted July 7.

O., Crooksville—Village, C. L. Dean, clk., waterworks plant, to E. F. Payne Co., New Lexington, $61,282. Noted July 14.

Ind., Bloomington — Filtration plant, piping and pumping equipment, etc; to C. A. Pike, Bloomington, $103,697. Noted June 16.

Mich., Royal Oak (Ind. br. Detroit)—Dept. Water Supply, 1½ m.g. elevated water tank, steel, for booster tank in connection with supply from Detroit Dept. Water Supply, on Lafayette Ave. to Chicago Bridge & Iron Wks., 37 West Van Buren St., Chicago, Ill., $92,500.

See proposal advertising on page 159

TRADE **"LEADITE"** MARK

Registered U. S. Pat. Office

"The World's Playground" has used Leadite with complete satisfaction for over 20 years

ATLANTIC CITY, New Jersey, is proud of its well-paved streets. In laying new or additional cast iron mains, the engineers always use Leadite. They know from the experience of nearly one-quarter of a century that Leadite joints are absolutely secure and that the occasion will not arise where paved streets have to be dug up to repair the line.

In addition to the mains under the paved streets, Leadite was used for jointing the 24" main that runs under the famous boardwalk.

Other lines run through salt marshes, over bridges and under numerous railroad tracks.

The sizes of these mains run from 4" to 48".

Mr. L. Van Gilder is Engineer and Superintendent of the Atlantic City water department.

Added to the security and permanence of Leadite joints there is a saving of 75%.

For its economy—permanence—security—and the speed with which jointing can be finished—Water Works men specify and use Leadite.

Laying 24" c. i. water mains, with Leadite Joints, in Atlantic City under paved street.

Specify and use LEADITE —it saves at least 75%

Be sure it is LEADITE and accept no imitations~~~

The pioneer self-caulking material for c. i. pipe. Tested and used for over 30 years.

THE LEADITE COMPANY . . Land Title Building . . PHILADELPHIA, PA.

NO CAULKING

Waterworks (Continued)

Mich., Saginaw—Pumping and purification structures for waterworks, to F. R. Patterson Constr. Co., 2631 Woodwood Ave., Detroit, $1,293, and carbon dioxide equipment, to Flinn & Dreffin Co., 431 South Dearborn St., Chicago, Ill., $9,625. Noted June 16.

Ill., Galesburg—Sinking well to Potsdam Formation, approximately 2,500 ft., to W. H. Cater, Contg. Co., 2643 West Monroe St., Chicago, at $4,000 per ft. Engrs. est. $10,000. Noted Nov. 11.

Ia., Newton—Waterworks improvements, incl. 26,000 16 in. pipe, etc., to Charles Robeck Co., 408 Securities Bldg., Omaha, Neb., $106,900. Noted June 23.

Ia., Ottumwa—City Water Dept., 400,000 gal. elevated steel tank, to Pittsburgh-Des Moines Steel Co., Tuttle and South West 10th St., Des Moines, $30,140. Noted June 23.

Kan., Chetopa—For 300 hp. Diesel engine and 94 hp. generator, etc., to McIntosh & Seymour Co., Dwight Bldg., Kansas City, Mo., $23,475 and $2,300 respectively. Noted June 9.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, manufacturing and driving piles for coagulant house foundation, etc. at Howards Bend Water Works Station on Missouri River, to McCormack-Combs Constr. Co., Columbia Bldg., $20,790. Noted June 30.

Tex., Alice—Waterworks improvements, incl. drilling well, motor driven rotary pumping equipment, 500 g.p.m., to Layne & Bowler Co., Chelsea Ave., Memphis, Tenn., approximately $16,000.

Tex., Corpus Christi—Improving water supply, to Smith Bros., Corpus Christi, $1,585,000.

Tex., Harlingen—Waterworks improvements, pump house, to R. A. Ewing, Harlingen, $25,687; water mains, to Nat. Cast Iron Pipe Co., Santa Fe Bldg., Dallas, $9,500; fire hydrants and connections, to San Antonio Machine Supply Co., 325 North Center St., San Antonio, $4,000. Grand total $39,187 Noted May 12.

Okla., Carter—Waterworks, to Sherman Iron Wks., 18 East Main St., Oklahoma City, $29,377. Engrs. est. $31,000. Noted July 7.

Calif., Huntington Park—For c.i. mains, etc., in Pacific Blvd., to G. Mitchell, 619 West Belgrave Ave., $33,418.

Calif., Oakland—East Bay Municipal Utility Dist., Lafayette Dam to G. Pollock Co., Forum Bldg., Sacramento, $1,370,685. Noted July 28.

Calif., San Bernardino—For 10,000 ft. 4 in. Class "250" Delavaud c. i. pipe, 12 ft. lengths, to U. S. Cast Iron Pipe Co., Wright-Callendar Bldg., Los Angeles, $4,450; also 10,000 ft. 6 in. and 2,500 ft. 8 in. pipe, 16 ft. lengths, to Amer. Cast Iron Pipe Co., Rives-Strong Bldg., Los Angeles, $6,746 and $2,418 respectively. Grand total $13,614.

Calif., Vista—Vista Irrigation Dist., 51,000 ft. excavating and backfilling trench for 4- to 12-in. concrete and steel pipe, to Crump Irrigation & Supply Co., Encinitas, $7,287; laying 12,100 ft. 8- to 12-in. concrete pipe, and 40,000 ft. 4- to 6-in. welded steel pipe, to Escondido Cement Products, Escondido, $5,051 and $2,700 respectively. Grand total $15,038.

Sewers

Proposed Work

Mass., Chicopee—Plans improving sewers in 17 various streets. $100,000. M. I. Shea, mayor.

Mass., Lakeview—Commonwealth of Massachusetts, Boston, rejected bids July 11, sewerage system disposal plant, etc. at Lakeville Sanatorium, here. Probably readvertise. Noted July 21.

W. Va., Huntington—Plans storm and sanitary sewers in Walnut Hills, $73,000. A. B. Maupin, city clk.

Ga., Albany—C. G. Wright, city mgr., City Hall, plans sewers in alley between 1st and 2nd Sts.; also lighting system on Highland Ave., Washington, 3rd, Monroe and Pine Sts. Address City Engineer.

Ga., Baxley—G. Holton, city clk. making plans sewers in various streets. $310,000. Bonds voted for same. Engineer selected soon.

Miss., Union — Voted $40,000 bonds, sewers in various streets.

Mich., Pleasant Ridge—Made plans 2,769 ft. 12- to 24-in. vitr. clay sewers, etc. in Warner Ave. $25,000. Hubbell, Hartgering & Roth, 2640 Buhl Bldg., Detroit, engrs.

Ill., Monmouth—Making plans sewerage system. Kinsey Eng. Co., Arcade Bldg., Pekin, engrs.

Kan., Kansas City—Rejected bids June 28, sewers in Argentine Dist. $30,000. R. W. Swope, City Hall, engr. Noted June 23.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, soon takes bids Sect. B Western Mill Creek Public Relief Sewer, rein.-con. pipe with laterals and connections. $742,000. W. W. Horner, 300 City Hall, engr. Noted June 16.

Ark., Sheriden—See "Waterworks."

Tex., Glen Rose—Making plans and soon takes bids sewerage system. $40,000. H. B. McAllister, Glen Rose, engr.

Tex., Pampa—Voted $160,000 bonds, extending sewers in various streets. Engineer not announced.

Tex., Point Isabel—James & Dickenson, Brownsville, making plans 2 m.g. rein.-con. sewerage system. $100,000.

Tex San Antonio—B. W. Mills, c/o F. H. Booth, engr., Frost Bank Bldg., making plans 6- to 8-in. sewers and 2 in. laterals in Palm Heights addition, here. $30,000.

Tex., Tioga—Voted $30,000 bonds, sewerage system, incl. disposal plant, mains, etc.

Wash., Aberdeen — See "Streets and Roads."

Calif., Los Angeles—Made plans 38,923 ft. 6 and 8 in. vitr. clay sewer in Holmby and Santa Monica Blvd. Sewer Dist. E. W. Tuttle, City Hall Annex, engr.

Ont., Carleton Place—Making plans approximately 1.5 mi. 8 in. and up vitr. tile sewer in various streets. $25,000. E. A. Wilson, Carleton Place, engr.

Ont., Forest Hill—Making plans 1.5 mi. 8 in. and up vitr. tile sewers in Deverall and Monclair Aves., Lonsdale, Dunloe, Burton and Spadina Rds. $30,000. James Proctor & Redfern, 36 Toronto St., Toronto, engrs.

Ont., Gananoque—Making plans 8,100 ft. 8 in. and up vitr. tile sewers in various streets. $25,000. H. Rogers, Gananoque, engr.

Ont., Swastika—See "Waterworks."

Ont., Thorold—Making plans 2 to 3 mi. vitr. clay sewers in various streets. $30,000-$40,000. W. Chipman, Mail Bldg., Toronto, engr.

Ont., Toronto—Making plans activated sludge sewage disposal plant at Leaside in connection with North Toronto Sewage Scheme. $1,000,000. Gore, Nasmith & Storre, Confederation Life Bldg., Toronto, and Metcalfe & Eddy, 14 Beacon St., Boston, Mass., engrs.

Ont., Walkerville—Town Council plans approximately 2 mi. 8 in. etc. vitr. tile or concrete relief storm sewer in Walker Rd. $150,000. H. W. Patterson, Walkerville, engr.

Bids Desired

R. I., East Providence (br. Providence)—Com. on Sewage Disposal, Town Hall, taking new bids sewerage disposal plant. $25,000 or more. Former bids rejected. Private plans. Noted July 6.

N. Y., Port Washington—Aug. 16, by Sewer Comrs. Port Washington Sewer Dist., 13,000 ft. 12 or 8 in. vitr. clay or concrete sewer, etc. B. F. Allen, 277 Main St., engr., adv. E.N.-R. Aug. 4.

Md., Baltimore—Aug. 10, by Bd. Awards, 2,460 ft. 12 ft. 1 in. x 18 ft. 8 in. brick and concrete each drain; 4,068 ft. 18- to 21-in. vitr. pipe, 4,060 ft. 4- to 8-in. underdrain, 315 vertical ft. standard manholes, etc., in Sewer Dists. 3 and 48, Contr. 209. M. J. Ruark, 311 Courtland St., engr.

Ala., Birmingham—Sept. 1, by City Comn., brick, c.i. and terra cotta sewers in 10 blocks 85th, 86th, 87th, 6th to 10th Ave. of West Garden survey, $26,700; also 3 blocks 77th St. and 4th Ave. S., $1,600. A. J. Hawkins, engr.

La., New Orleans—Sept. 29, by Sewerage & Water Rd. at office A. G. Moffat, secy., 526 Carondelet St., electric machinery; adv. E. N.-R. Aug. 4.

Ind., Indianapolis—Taking bids sewers in West Michigan St. $130,807. P. Brown, City Hall, engr.

O., Canton—Sept. 1, by Bd. Control storm sewer in Weitz Ave. to drain 5th, 6th, 7th, 8th, 9th, 10th and 11th Sts. $90,000. W. E. Sarver, City Hall, engr.

Mich., Denton—Aug. 8, by G. A. Dingeman, Wayne Co., Drain Comr., County Bldg., Detroit, 12- to 18-in. crock sewers etc., in South Branch Denton Drain; also 9,405 ft., 10- to 18-in. crock sewers in Denton. G. A. Dingeman, Detroit, engr.

Mich., Halfway—Aug. 17, by A. J. Wendt, village clk., 29,690 ft., 12- to 33-in. sewers, etc., in Dist. 2. H. R. O'Mara, village engr. adv. E.N.-R. Aug. 4.

Ill., Chicago—Aug. 9, by City, Room 207, City Hall, tile pipe sewers, with brick manholes and catch basins in portions East 84th and West 92nd Pl., East 85th St., Longwood Dr., Easton, South Keating, South Claremont, Hunt, Howland, Rogers, Harding, North Crawford, North Springfield and North Avers and North Hamlin Aves. M. J. Faherty, pres. Bd. Local Impvts.

Ill., Chicago—Aug. 25, by Clerk Sanitary District of Chicago 910 South Michigan Ave., North Side Sewage Treatment Works Div. R. Discharge Sewer, T. J. Crowe, pres.; adv. E. N.-R. Aug. 4.

Minn., South St. Paul—Aug. 15, by City J. R. Stevenson, recdr., approximately 6,000 lin.ft. 7 in. to 4 ft. trunk sewer in Wentworth Ave., and approximately 4,100 lin.ft. 27 in. to 4 ft. 8 in.; sewers in Central Ave. also 1,400 lin.ft. 16 to 27-in. storm sewer in Birch Ave., $35,000.

Minn., Winona—Aug. 15, by G. W. Hofmann, city recdr., 12 to 30-in. storm sewers, 77 manholes, 274 inlets and catchbasins in various streets; also one concrete headwall, $87,651. E. E. Chadwick, city engr.

Ark., Jonesboro.—Aug. 11, by Cobb & Lee, engrs., American Trust Bldg., 10,260 ft. 12- to 21-in. round sewers, etc. in Jonesboro Storm Sewer and Drainage Dist. 30 of Craighead Co. for city.

Calif., Los Angeles—Aug. 9, by South Bay Cities Sanitary Dist., Main Trunk Sewer Extension 2 from Francisco to Pacific Aves. A. K. Warren, Law Bldg., Los Angeles, engr.

Calif., Los Angeles—Aug. 10, by A. S. Soule, secy. County Sanitation Dist. 2, Law Bldg., equipping activated sludge sewage treatment plant, incl. 2 horizontal centrifugal pumps and motors, 2 complete sludge removal mechanisms, incl. drive mechanism, gears, motors, floor sweeps, etc. 1 sludge pressure pump, etc. A. K. Warren, Law Bldg., Los Angeles, engr.

Calif., San Mateo—E. W. Foster, city clk., taking bids 6,330 ft. 6- to 24-in. sewer, etc., in various streets. $25,000 available O. F. Weissgerber, city mgr.

Ont., Toronto—Sept. 27, by T. Foster, chn. Bd. Control, equipment and appurtenances for North Toronto Sewage Treatment

Ont. Toronto—See "Contracts Awarded."

B. C., Vancouver — "See Contracts Awarded."

Contracts Awarded

N. Y., Mamaroneck—Bd. Village Trustees, Halstead and Ward Aves., constructing Sewer Contr. 8, to A. DiMarco, Plainville, Conn., Contr. 9, to Ferrari & Iannnarelli, Mamaroneck, and Contr. 10, to D. F. MacNamee Contg. Co., New Rochelle. Noted June 16.

N. J., Teaneck (mail West Englewood)—Twp. Com., Municipal Bldg., sewers in various streets Contr. "W," to J. Cestone, 65 Glenridge Ave., Montclair, $35,711. Noted June 23.

Md. Baltimore—Bd. Awards, 4,429 lin.ft. 27- to 42-in. rein.-con. drains, etc. in Sewer Dist. 48, Storm Water Contr. 108, to Adams & Marino, Old Town Natl. Bank Bldg., $47,944.

Miss., Jackson—For 20 mi. sewers in various streets, to F. D. Harvey, 688 South Bellevue St., Memphis, Tenn., $73,160; and pipe, to Choctaw Machine Co., Jackson.

La., Winnfield—For 67,359 ft. 8- to 18-in. sewers, etc. in Dist. 1, to J. B. McCrary Eng. Corp., 1408 Citizens & Savings Bldg., Atlanta, Ga., $98,714.

O., Garfield Heights (br. Cleveland)—Village, concrete sewers in various streets, here, to Carroccio & Gaudio, 14,109 Benwood Ave., Cleveland, $191,231.

O., Parma (br Cleveland)—Village, constructing sewers in Westminister Group, to Gantose Constr. Co., Brookpark Rd., Cleveland, $88,008.

Ind., Anderson—Bd. Pub. Wks., vitr. clay sewer in Shadeland Dist., to Northern Indiana Constr. Co., South Bend, $76,175. Noted June 30.

Mich., Detroit—Dept. Pub. Wks., to Iadipaolo & Co., 516 Transportation Bldg., vitr. sewers in Lateral 4871 $4,949, and Lateral 4873 $2,031; to S. Farino, 593 South Bayside Ave., Lateral 4872 $5,637;

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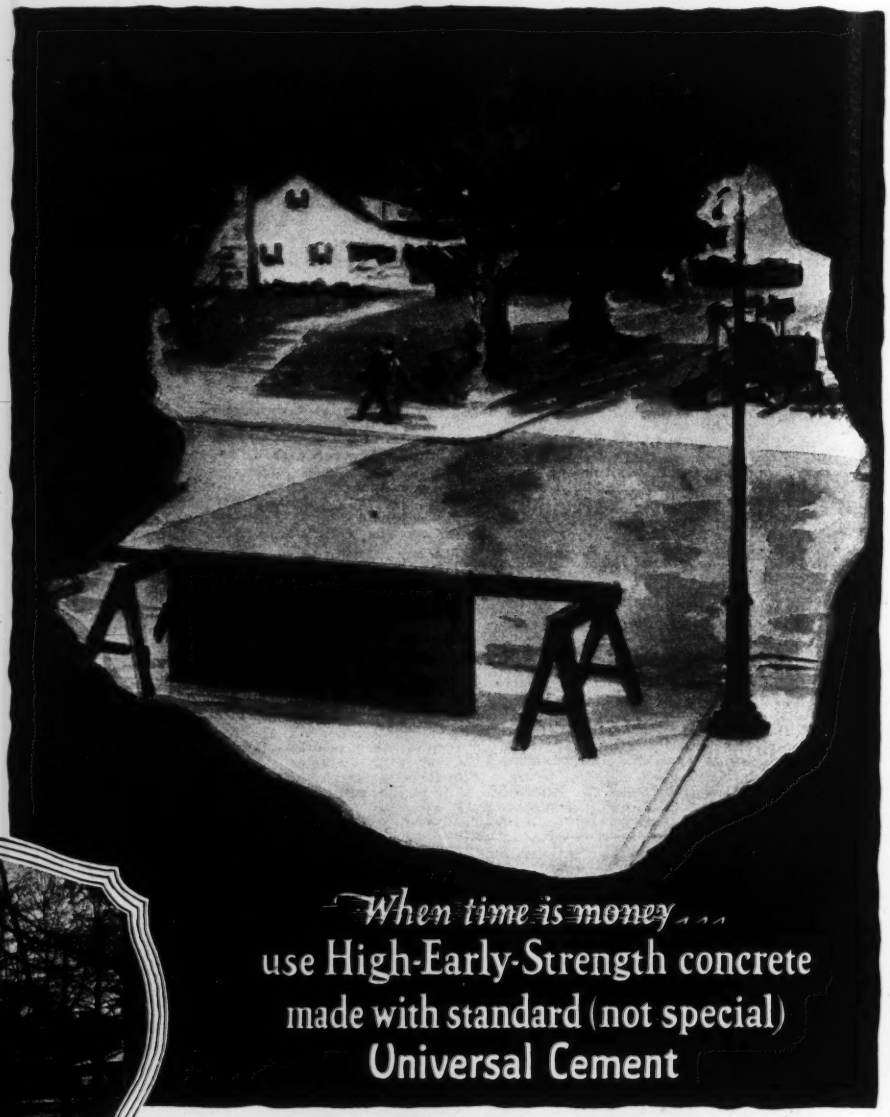

Intersection of Church and New Streets, Champaign, Ill., placed and opened to traffic in *3 days* thru use of *High-Early-Strength* Universal Concrete made by using thoroly tested methods and standard—not special—Universal cement. Fred Lohman, city engineer; Frank Somers, Urbana, contractor. Standard—not special—Universal cement furnished by Somers-Barr Co., Inc., Urbana. For circular on *High-Early-Strength* concrete, use the coupon.

UNIVERSAL PORTLAND CEMENT CO.
210 South La Salle Street, Chicago

Without obligation, please send me detailed information on methods for securing strong concrete in *3 days* with the usual materials.

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21 Days Becomes *3 Days*

When *High-Early-Strength* Universal Concrete Is Used

Important intersections, connecting links or entire roads or streets that must be opened quickly need no longer be closed from 21 to 28 days for the concrete to gain the necessary strength.

Thru the use of fully tested methods and standard—not special—Universal cement, concrete is now secured with a *3-day* strength equal to the *28-day* strength of ordinary concrete. This concrete, having a higher *ultimate* as well as a higher *early* strength, also provides a *permanently* better and stronger pavement.

For full details on how to obtain *High-Early-Strength* Universal Concrete with the usual materials, usual labor and usual equipment, send in the accompanying coupon.

Universal Portland Cement Co.

Chicago Pittsburgh Minneapolis Duluth Cleveland Columbus New York

Concrete for Permanence

Sewers (Continued)

to Louwers & Somerville, 1224 Michigan Theatre Bldg., Lateral 4874 $15,380; to J. Lee, 1762 Puritan Ave., Lateral 4876 $5,493; to Dept. Pub. Wks., City Hall, Lateral 4869, $3,033; to G. Vella, 516 Transportation Bldg., Lateral 4870 $4,487, Lateral 4875 $35,100, and Lateral 4877 $34,900. Grand total $111,009.

Mich., Wyandotte—For 35,000 ft. 12 in. to 5 ft. vitr. crock, concrete and brick sewers in assessment Dist. 74, to A. Arcari, 13535 Woodward Ave., Detroit, $115,100.

Neb., Beemer—J. B. Severa, city clk., City Hall, cement tile sanitary sewerage system, to H. J. Peterson Co., 303 Baum Bldg., Omaha, $22,312. Engrs. est. $26,500. Noted June 30.

Tex., Amarillo—For 7 mi. sewers in various streets, to Green Constr. Co., 519½ West Main St., Oklahoma City, Okla., $361,007. Noted July 6.

Tex., Amarillo—For 7 mi. 16- to 30-in. sewers in various streets, to Green Constr. Co., 519 West Main St., Oklahoma City, Okla., $361,007. Noted June 30.

Tex., Ft. Worth—Universal syphon sewers in Van Zandt Addition, to McKenzie Constr. Co., Bedell Bldg., San Antonio, $54,494. Noted July 28.

Tex., Perryton—Sewerage system, to C. L. Burt, Hutchinson, Kan., $57,134.

Wash., Camas—City Comrs., 3 mi. 6- to 18-in. cement outfall sewer in South Camas Dist., to empty into Columbia River, etc., to C. A. Knapp, Camas, $41,723. Engrs. est. $53,122. Noted July 7.

Wash., Sunnyside — Complete sewerage system and sewage disposal plant, to W. J. Longston, Granger, $83,329. Engrs. est. $85,000. Noted June 2.

Calif., Glendale—For 3,126 ft. 10 in. and 44,932 ft. 8 in. sewer, etc. in Louise St. and Fairview Ave., Dist. 11, to M. J. Simonovich, 727 Alpine St., Los Angeles, $111,920.

Calif., Los Angeles—Sewers, etc. in Colorado Blvd. between Dahlia Dr. and Maywood Ave., to Radich & Grancich, 2810 Dobinson St., $91,818.

Calif., Los Angeles—Bd. Pub. Wks., outfall sewerage system for Metropolitan Sewer Dist., to J. Artukovich, 684 East 50th St., $58,024.

Calif., Los Angeles—Los Angeles Co. Sanitation Dist., sewer in Old River School Rd. to Ross Constr. Co., 105 West 4th St., $413,213. Noted June 30.

Calif., Los Angeles—Sanitary sewer, etc. in Fairfax Ave. between Pico Blvd. and Airdrome St., to Chutuk, Kordich & Vukojevich, Wilcox Bldg., $38,012; also concrete storm drain, etc. in Wilshire Blvd., to H. A. Teget, 224 Harvard Pl., Ontario, $34,805. Noted May 19.

Calif., Santa Ana—For 11,931 ft. 8 in., 2,500 ft. 16 in. and 21,912 ft. 6 in. sewers, etc. in Southwest Sewer Dist. 130, to S. C. Kruly, 326 North Hill St., Los Angeles, $87,825. Noted May 26.

Ont., Ottawa—For 8 x 4 in., reinforced box sewer in Byng Dr., Iona and Edna Sts., etc., to Grant Bros., Bank Natl. Bldg., Rideau St., $67,000; also 6 ft. reinforced lock joint pipe, to J. Haley, Ottawa, $11.50 per ft.

Ont., Port Hope—For 1 mi. 8 in., etc., vitr. clay sewers in various streets, to A. Cope & Sons, Ltd., 29 Albert St., Hamilton. Engrs. est. $25,000.

Ont., St. Catherines—For 3,075 ft. 18- to 24-in. tile sewer in various streets, to F. F. Fry Ltd., 43 Scott St., Toronto. Engrs. est. $25,000. Noted Mar. 17.

Ont., Toronto—Approximately ½ mi. brick and concrete sewer in tunnel from Avenue Rd. to Rosewell Ave. via Avenue Rd., Glengrove and Rosewell Aves., in connection with North Toronto Sewerage Scheme, Sects. B and C., to W. E. Taylor, 22 Falcon St., $71,239.

Ont., Toronto—York Twp., vitr. tile sewers in Pendeen Ave., East Dr. Bexley and Whitmore Crescents, to J. H. McKnight Constr. Co., 88 St. Davids Ave., $22,865; Florence Crescent to Michell Constr. Co., 55 Greensides Ave., $2,197; Eglinton and Perrin Aves., to W. E. Taylor, 22 Falcon St., $2,410. Grand total $27,472. Engrs. est. $30,000. Noted May 5.

Ont., Toronto—Twp. York will build vitr. tile sewers in Silverthorn and Ewart Aves., Riverside Dr. and Masson Rd., by day labor. $55,000. F. B. Goedike, 40 Jarvis St., engr.

Ont., Toronto—Vitr. sewers in Lane 1st west of McDonnell Ave., to W. G. Worden, 41 Huntley St. $1,856, Lake St., to Grant Contg. Co. Ltd., 50 Front St. E. $15,500, and Fleet St., to Natl. Contg. Co. Ltd., 52 Imperial St., $20,000; also 1 mi. brick and concrete sewer in tunnel from Eglinton to Glencairn Aves. via Avenue Rd., Pears Park, Rosewell and St. Clements Aves., Sect. A and B, in connection with North Toronto Sewerage Scheme, to W. R. Worthington Constr. Co., 287 Belsize Dr., $165,900. Grand total $203,256.

Ont., Toronto—For 8,000 lin. ft. 12 in. and up vitr. tile or concrete sewer in Queens Quay, storm sewer Sects. D and E, Contr. 1, also Sects E and F, and sanitary sewer Sects. G and H, Contr. 2, to W. R. Worthington Constr. Co., 287 Belsize Dr. Engrs. est. $55,000.

B. C., Vancouver—Vancouver & Dist. Joint Sewage & Drainage Bd., will construct 12 blocks 2 ft. 6 in. to 5 ft. trunk sewer in Hastings Townsite, by day labor. Engrs. est. $250,000. E. A. Cleveland, 500 Beatty St., engr.

Waste Disposal

Proposed Work

N. J., Hackensack—Hackensack Impvt. Comn., Municipal Bldg., plans 100 ton incinerator disposal plant, incl. chimney, machinery, etc. $90,000. Private plans.

Bridges

Proposed Work

Mass., Brighton (Boston P.O.)—Dept. Pub. Wks., Boston, plans reconstructing concrete bridge and grading to cross Boston & Albany R.R. tracks, at Market St., here. $25,000 or more. Private plans.

Mass., Framingham — Bd. Pub. Wks., City Hall, plans concrete bridge Mt. Wayte Ave. $25,000 or more. H. F. Twombly, chn.

North Carolina—State Hy. Comn., Raleigh, plans new 1,250 ft. bridge with bascule type draw span across Pamlico River in Washington; and new bridge across Tar River at Greenville.

Miss., Yazoo City—Yazoo Co. takes bids about Sept. 1, 18 span 324 ft. creosoted timber bridge at Broad Lake, and 16 span 304 ft. concrete bridge at Tokeba Bayou, 116,170 ft. creosoted and 4,592 ft. untreated lumber, 5,150 ft. creosoted piling, etc. $40,000. H. C. Deitzer and C. Simmons, State Hy. Dept., Jackson, engrs. Noted July 21.

Michigan—E. R. Benkert, resident engineer, Port Huron, takes bids about Aug. 11, two 75 ft. spans concrete girder bridge on S.R. 1 of 77-22-21, St. Clair Co., for State Hy. Dept., Lansing.

Wis., Superior—Making plans one 50 ft. and seven 60 ft. span steel viaduct on concrete piers. $150,000. E. B. Banks, city engr.

Kan., Emporia—See "Streets and Roads."

Mo., Kansas City—City and Kansas—City Terminal Ry. Co., J. V. Hanna, ch. engr., Union Station, making plans rein.-con. and steel viaduct over railroad tracks at Walnut St. $350,000. Lauck & Lauck, 1004 Orear Leslie Bldg., Kansas City, archts.

Mo., Kansas City—Kansas City Pub. Serv. Co., 15th and Grand Sts., soon takes bids steel street-car bridge over railroad tracks at 8th St., $150,000.

Tex., Beaumont—Southern Pacific Ry. Co., R. W. Barnes, ch. engr., Houston, making plans 400 ft. timber steel and concrete viaduct over railway yards, from Neches St. to Trinity, Laurel and Magnolia Aves., here. $250,000. Private plans.

Tex., Brownsville—Brownsville & Metamoras Municipal Bridge Co. plans rein.-con. and steel suspension bridge across Rio Grande River. $200,000. V. L. Conrad, Brownsville, engr.

Tex., New Braunfels—City and Comal Co. making preliminary plans 170 ft. rein.-con. bridge and underpass across Comal Creek, on Highway 46, Seguin St. $100,000. Engineer selected soon.

Tex., Stinnett—Hutchinson Co. (Plemons) making plans 190 ft. concrete and steel bridge over Canadian River, near here. $60,000. E. McBride, Plemons, engr.

Wash., Seattle—Plans bridge, $25,000, also widening West Spokane St. W. C. Morse, city engr.

Calif., Long Beach—Made plans concrete bridge over flood control channel on West State St. $210,000. R. D. Van Alstine, city engr. Los Angeles Co. (Los Angeles) appropriates toward cost.

Bids Desired

Massachusetts—See "Streets and Roads."

Massachusetts—Aug. 11, by Metropolitan Dist. Comn., removing old bridge and new rein.-con. and stone bridge over Charles River at Wales and Walnut Sts. in Newton and Wellesley. J. R. Rablin, 1 Ashburton Place, Boston, engr.

New York and New Jersey—Oct. 3, by J. E. Ramsey, ch. executive Officer, of Port Authority, 75 West St., New York City, fabricating and erecting steel work of Hudson River Bridge between Fort Washington and Fort Lee. adv. E.N.-R. Aug. 4.

N. J., Newark—Aug. 29, by State Hy. Dept., Trenton, bridges, etc. on Route 1, Extension, Sect. 14-A, Essex Co., here. A. L. Grover, secy.; E. N.-R. Aug. 4.

Pa., Phila.—Aug. 12, by C. E. Walsh, purch. agt. for Pennsylvania R.R. Co., 15 North 32nd St., West Phila., steel superstructure, Contr. 98; slag ballast, Contr. 99; and crossings, Contr. 100.

Alabama—See "Streets and Roads."

Miss., Yazoo City—Aug. 16, by Bd. Supervs. Yazoo Co., bridges on Federal Aid Projects 48, 179-D and E. H. C. Dietzer, Jackson, state highway engr.

Tennessee—Sept. 16, by State Hy. Comn., Nashville, constructing bridge on State Highway 2, Loudon Co.; State Highway 1, Benton and Humphreys Counties; and State Highway 15, Hardin Co. C. N. Bass, comr.; adv. E. N.-R. Aug. 4.

Ind., Water Valley (mail Shelby)—Aug. 24, by Bd. Comrs. Lake Co. (Crown Point), and Newton Co. (Kentland), removing 3 south spans and constructing Span 3, by the side of Span 4 over Kankakee River, removing Snan 1 or 2 to George Ade bridge in Sect. 15 in Iroquois Twp., and using old steel in place of Mathers Bridge in Sect. 12, same twp., etc. W. E. Whitaker, aud. former and C. H. Adamson, aud. latter counties.

Michigan—Aug. 12, by R. R. Havens, 8291 Greenwood Ave., Jackson, constructing S. R. Bridge 33-6-31, Contr. 1 and 2, Ingham Co., for State Hy. Dept., Lansing.

Mich., Mason—Aug. 12, by Ingham Co., Two 50 ft. spans, 5 ft. sidewalk, State Route Bridge 1, of 33-6-31, R. R. Havens, Jackson, res. engr.

Mich., Port Huron.—Aug. 11, by St. Clair Co., two 75 ft. spans, 22 ft. R. W. rein.-con. G. span, bridge 1 of 77-22-21 Contr. 1, E. R. Benkert, Port Huron, res. engr.

Kan., Stockton—Aug. 19, by Rooks Co., two 50 ft. steel truss, one 40 deck girder span bridge, Project 55-A, Road K-18.

Okla., Agua (mail Calvin)—Aug. 11, by W. L. Barthett, clk. Hughes Co., 1 span 52 ft. steel truss bridge on piers, stone masonry abutments, 87.71 tons truss steel, 2,160 ft. wooden piling, etc. Hughes Co., here. $36,210. R. Grace, Holdenville, engr.

Calif., Los Angeles—Aug. 22, by Bd. Pub. Wks., 2,026 ft. concrete bridge 71 ft. over Los Angeles River, Atchison, Topeka and Santa Fe. and Union Pacific R.R. tracks. at 1st St. $2,000,000. M. Butler, Brunswing Bldg., engr.

Bids Received

Pa., Harrisburg—B. E. Taylor, secy. Dept. Property & Supplies, Capitol, Soldiers and Sailors Memorial Bridge, State St., Contr. 2, 36,000 cu.yd. concrete, 1,810,000 lb. reinforcing and 1,940,000 lb. structural steel, from James McGraw Co., Phila., $1,624,651. Noted June 30.

Contracts Awarded

Massachusetts—Commonwealth of Massachusetts, Dept. Pub. Wks., Boston, 2 rein.-con. bridges on highway in West Stockbridge, to S. W. Menagiralle, Stockbridge, $42,306; and 50 ft. rein.-con. bridge on highway, at Granby, to Kelleher Corp., Turners Falls, $6,632. W. F. Williams comr.

Mass., Fall River—City, F. B. Manning supt. streets, concrete bridge, on Weaver St., to J. F. Mooney, Granite Block. Engrs. est. $25,000.

Conn., Hartford—City Bd. Park Comrs., 340 ft. steel and concrete foot bridge, 11 ft., on North Front St. and Riverside Park, foundations to A. W. Byrne & Son, 79 Livermore St.; and superstructure, to Porcupine Co., Fairfield. Engrs. est. $60,000.

New York—A. Goldman, comr, Plant & Structures, Municipal Bldg., New York City, Greenpoint Ave., temporary bridge and approaches over Newtown Creek, between Brooklyn and Queens Boros, to H. Johnson, Astoria Ave. and East 46th St., Elmhurst, $94,500. Noted June 9.

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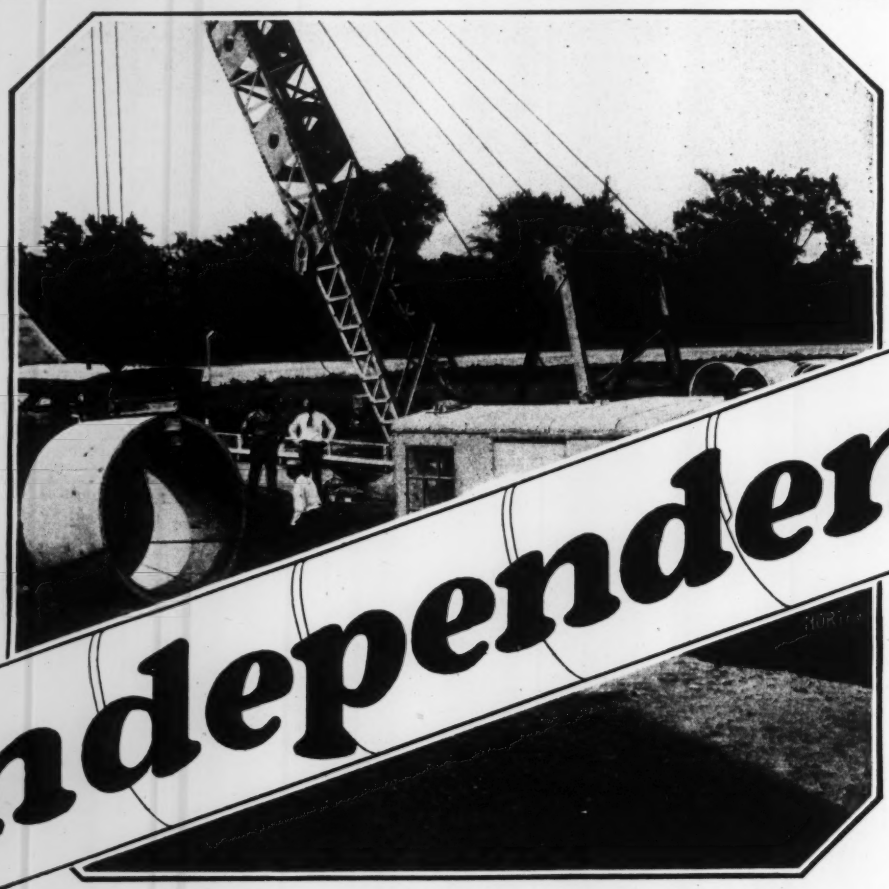

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Bridges (Continued)

W. Va., Charleston—Kanawha Co., 1 span, 200 ft. steel and concrete bridge across Cabin Creek, to E. R. Mills, Covington, Ky., $36,048. Noted June 30.

W. Va., South Charleston (br. Charleston)—Carbon & Carbide Chemicals Corp., 3 span 400 ft. rein.-con. and steel bridge, to Vicennes Bridge Co., Vincennes, Ind. Engrs. est. $50,000. Noted June 23.

Miss., Belzoni—See "Streets and Roads."

La., Shreveport—Police Jury Caddo Parish, Slattery Bldg., 110 ft. steel span bridge with 400 ft. trestle approaches over Soda Lake near here, to A. M. Wilkes, Box 480, Alexandria, $30,189; and 29,000 cu. yd. fill, to J. J. McKeithen. Noted June 9.

O., Akron—Summit Co., rein.-con. bridge over Ohio Canal, at West South St., to Portage Constr. & Finance Co., 218 Twin Oaks, $32,000. Engrs. est. $30,000.

O., Bolivar—Stark Co. (Canton) and Tuscarawas Co. (New Philadelphia), concrete and rein.-steel bridge over Tuscarawas River, north of here, to Roberts Supply Co., 419-21 Opera Blk., Lima, $77,700.

O., Dayton—F. A. Kilmer, clk., Montgomery Co., Court House, substructure for Bridge 187, 225 ft. steel truss span, 20 ft. roadway over Stillwater River, on Dog Leg Pike, Butler Twp., to Schwingel & Robinson, Columbus, approximately $20,000. Noted June 2.

O., Springfield—For 118 ft. etc. span rein.-con. bridge, on Plum St., to W. J. Hinds Constr. Co., 517 East Madison Ave., $55,154. Engrs. est. $50,000. Noted Feb. 10.

Ind., Plymouth—Comrs. Marshall Co., bridge, on Jefferson St., to Campbell & Hash, Sandborn, $41,994.

Michigan—H. C. Fleming, resident engr., Grand Rapids, constructing FX 1, Bridge of 41-11-4 (1), Kent Co., to Peninsular Constr. Co., 322 Ottawa St. N.W., Grand Rapids, for State Hy. Dept., Lansing. $40,770. Noted July 7.

Michigan—R. W. Roberts, resident engr., Saginaw, constructing F Bridge 1, 29-16-25, Gratiot Co., Contr. 1, to Amer. Bridge Co., 1328 Buhl Bldg., Detroit, $6,498; and Contr. 2, to B. C. Lord, Clayton, $22,736. Noted June 30.

Michigan—State Hy. Dept., Lansing, constructing R. B. 110202, one 30 ft., 35 ft. and 50 ft. spans, Contr. 1, to McClintic Marshall Co., 1242 Book Bldg., Detroit, $4,072, and Contr. 2, to W. Marshall & Son, Grand Rapids, $38,521; also R.B. 110204, C.I., 354 ft. long, to Willits Bros., Saginaw, $78,009, both 30 ft. roadway, Berrien Co. Grand total $120,603.

Wis., Baraboo—State Hy. Comn., Madison, constructing Broadway St. Bridge, 8,350 lb. structural and 261,160 lb. reinforcing steel, etc., here, to A. Larson, Eau Claire, $62,952.

Wis., Oconto—Rein.-con. and steel bridge, on Brazeau Ave., to Schuster Constr. Co., Denmark, $39,242. Engrs. est. $39,000.

Kan., Winfield — See "Streets and Roads."

N. D., Watson City—State Hy. Comn., Bismarck, two 168 ft. through truss and one 50 ft. plate girder approach spans, over Missouri River, near here, to Minneapolis Bridge Co., 701 Metropolitan Life Bldg., Minneapolis, Minn. Approximately $115,000.

Wyoming—State Hy. Comn., Cheyenne (**F.A.P. means Federal Aid Project**), constructing 5 timber bridges on Gillette-Arvada Rd., F.A.P. 181-B, to T. D. Cain, Riverton, $32,134; and steel bridge over Big Horn River at South Thermopolis, F.A.P. 90 (reopened), to C. O'Neil, Plattville, Colo., $54,546.

Mont., Great Falls—State Hy. Comn., Helena, 216 ft. steel main and two 80 ft. concrete approach span bridge over Sun River, Cascade Co., to McGuire & Blakeslee, Great Falls, $57,795. Noted Mar. 10.

Tex., Brownsville — See "Streets and Roads."

Tex., Brownsville—Gateway Bridge Co., c/o R. B. Creager, pres., 6 span, 240 ft. steel and rein.-con. toll bridge across Rio Grande River, to C. J. Flenn, Brownsville, approximately $460,000.

Tex., Houston—Harris Co. 385 ft., 100 ft. and 80 ft. concrete slab bridges, across Hunting, Carpenter, Greens, Bayou, to C. K. Horton, 2202 Clay Ave., Houston, $71,543. Engrs. est. $62,000.

Tex., Lyford—Missouri Pacific Ry. Co., E. A., Hadley, ch. engr., Railway Exch. Bldg., St. Louis, Mo., 1 mi. timber piling bridge, 20 ft. near here, to Z. Richards, McAllister, Okla., approximately $110,000.

Tex., Quanah—See "Streets and Roads."

Arizona—State Hy. Comn., Phoenix, constructing Grand Canyon Bridge near Lee's Ferry, to Kansas City Structural Steel Co., 21st St. and Metropolitan Ave., Kansas City, Mo., $323,290 incl. engineering and contingencies.

Ont., Port Colborne—Dept. Pub. Wks., Ottawa, bridge over Welland Canal, here, to Hamilton Bridge Works Co., Ltd., Bay St. N., Hamilton, $368,250.

Ont., Welland—Dept. Pub. Wks., Ottawa, 2 bridges over Welland Canal, here, to Canadian Bridge Co., Walkerville, $739,591.

B. C., Wardner—Minister Pub. Wks., Victoria, substructure for bridge over Kootenay River, to Hodgson, King & Marble, 626 Pender St. W., Vancouver, $30,000. Noted July 7.

Dams

Proposed Work

Nev., Lovelock—See "Excavation, Drainage, Irrigation, Levee, River and Harbor."

Bids Desired

Tex., Columbus—See "Contracts Awarded."

B. C. Vancouver — "See Contracts Awarded."

Contracts Awarded

Tex., Columbus—Central Power & Light Co., c/o S. N. Udden, Frost Bldg., San Antonio, will build series rein.-con. dams to connect Colorado River, confining flood waters, which afterwards will be used for irrigating and generating electric power, near here, by day labor. $650,000. Private plans.

B. C., Vancouver—Greater Vancouver Water Dist. Bd., will construct 430 ft. concrete dam, 30 ft. high, in Seymour Creek Valley, by day labor. $150,000. E. A. Cleveland, Bekins Bldg., engr.

Railways

Bids Desired

British Columbia—See "Contracts Awarded."

Contracts Awarded

Texas—Southern Pacific Ry. Co., G. W. Boschke, ch. engr., 65 Market St., San Francisco, Calif., 27 mi. railway from Harlingen to Brownsville, here, to W. J. Harris Contg., Co., West Bldg., Houston. Noted Mar. 3.

Texas—Southern Pacific Ry. Co., G. W. Boschke, ch. engr., 65 Market St., San Francisco, Calif., 27 mi. railway from Harlingen to Brownsville, here, to W. J. Harris Contg. Co., West Bldg., Houston. Noted Mar. 3.

British Columbia — Canadian Natl. Ry. C. S. Gzowski, ch. engr., Montreal, Que., will extend 3,000 yd. new rails at Port Mann, by day labor. $30,000.

Argentine—Sept. 15 by Government State Railway, Administration Office, Buenos Aires, 450 mi. railway extensions. Address Argentine Embassy, 1806 Corcoran St., Washington, D. C., U. S. A.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Ark., Piggott—Sub. D. D. 21, St. Francis Drainage Dist. of Clay and Green Counties making preliminary plans levee and drainage ditches, etc. here. $45,000.

Tex., Eagle Pass.—Maverick Co., Water Impvt. Dist. 1, T. S. Wyche, secy., making plans and soon takes bids irrigating 70,000 acres land, and plans gravity system $2,000,000 or more. Noted July 28.

Tex., El Paso—El Paso Co. voted $100,000 bonds, levees, high water protection, etc. F. Wilson, El Paso, engr.

Tex., Fowlerton — La Salle - McMullen Counties Water Control & Impvt. Dist. 1, voted $35,000 bonds, preliminary surveys irrigation purposes. Address Secretary.

Tex., Galveston—Galveston Co., c/o J. M. Murch, aud., election soon $75,000 bonds, constructing canal. Address C. C. Washington, Galveston, co. engr.

Tex., McAllen—See "Unclassified."

Tex., Point Isabel—James & Dickenson, Brownsville, plans earth work and piling, here. $40,000. Private plans.

Nev., Lovelock—Lovelock Irrigation Dist. rejected bids earth fill dam and control works. Will readvertise. Noted June 30.

Calif., Patterson—West Stanislaus Irrigation Dist. voted $854,265 bonds, irrigation works, incl. pumps, motors, 7 buildings for pumps, transmission lines, concrete lined main laterals, canal, etc. W. F. Woolley, Paterson, engr.

Bids Desired

N. Y., Brooklyn—Aug. 9, by M. Cosgrove, comr. Docks, Pier "A," foot Battery Pl., North River, New York City, dredging in Jamaica Bay, Contr. 1904, channel from Mill to Paerdegat Basins and dredging at and filling in Canarsie pier, Brooklyn Boro.

N. Y., Dunkirk—Aug. 16, by H. J. Henderson, city clk. constructing inclosed channel and accessories for diversion of Hyde Channel here. Adv. E. N.-R. Aug. 4.

N. Y., New York—Aug. 11, by M. Cosgrove, comr. Docks, Pier "A," foot Battery Pl., constructing pier shed and bulkhead shed for Pier New 46, North River, Contr. 1885.

Louisiana—Aug. 16, by State Hy. Comn., Baton Rouge, constructing 5.582 mi. embankment on Hammond-New Orleans Highway, State Project 156-B, Unit 1, St. Charles Parish. N. W. Bowden, highway engr.

Ill., Lockport.—Aug. 11, by Clerk Sanitary District of Chicago, 910 South Michigan Ave., Main Chanel Wall, near here. Contract 3, 4,200 ft. concrete wall, etc. T. J. Crowe, pres.; adv. E.N.-R. Aug. 4.

Ark., Osceola—Aug. 9, by Bd. Comrs., Sub-Dist. 3 of Grassy Lake and Tyronza D.D. 9, Mississippi Co., clearing approximately 18 mi. drainage channels of Ditch 1. Morgan Eng. Co., Goodwyn Institute, Memphis, Tenn., engrs.

Okla., Tecumseh—Aug. 8, by C. E. Pettigrew, Pottawatomie Co. clk. improving Deer Creek D. D. 4, and bridges over ditch, 220,280 cu.yd. excav., 11,800 ft. wood piling and 29,460 ft. timber. $35,000. F. D. Brown, Shawnee, engr.

Que., Ruisseau LeBlanc—Aug. 11, by S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, Ont., constructing breakwater, here, Bonaventure Co.

Contracts Awarded

Minn., Hallock—Auditor Kittson Co., excavating 411,240 cu.yd. main ditch, to Union Drainage Co., Crookston, Minn., for Kittson Co. (Hallock) and Marshall Co. (Warren), at $0.085 per cu.yd. Noted July 7.

Arkansas—Comrs. Cache River D.D. at office H. Sloan, atty., Jonesboro, outlet to main ditch, incl. 2½ mi. main ditch, 400,000 cu.yd. excav. in Craighead, Jackson and Lawrence Counties, to Sternberg Dredging Co., 1706 Arcade Bldg., St. Louis, Mo.

Ark., Osceola—Bd. Comrs. Sub-Dist. 3 of Grassy Lake & Tyronza D.D.9, Mississippi Co., repairing and rebuilding approximately spoil bank levee along west side ditches, 125,000 cu.yd. excav., to Vollmer & Sons, Luxora, at $0.1393 per cu.yd. Engrs. est. $17,000. Noted June 30.

Tex., Houston — San Jacinto Trust Co., c/o G. Howard, Humble Bldg., excavation and piling work for 4 story (ultimately 23 story), 60 x 127 ft., rein.-con., stone and steel office building Main and Lamar Sts., to D. Hall, Cotton Exch., Houston, $71,500. Noted July 7 under "Buildings-Commercial."

Calif., Los Angeles—Los Angeles Co., 14,000 ft. rein.-con. Puddingstone channel, rectangular section, to J. C. Gist, 148 North El Dorado St., Arcadia, $194,400; also 3 earth fill type dams for same project, to H. W. Rohl, 727 West 7th St., $410,600.

Ont., Port Arthur—Dept. Pub. Wks., Parliament Bldg., Ottawa, dredging in harbor, here, to Canadian Dredging Co., Port Arthur, $58,000. Engrs. est. $60,000.

Ont., Sault Ste. Marie—S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, dredging, here, to A. B. Roderick, A. and J. McLean and Soo Dredging Constr. Co., Ltd., Sault Ste. Marie. $136,000. Noted May 12.

Streets and Roads

Bids Desired

Maine—Aug. 16 by State Hy. Dept., Augusta, grading and bituminous macadam paving etc., 2.71 mi. Federal Aid Project, 106-A Poland; and graveling, etc. 0.85 mi. Federal Aid Project 98-C in Gouldsboro and 2.94 mi. Federal Aid Project 105-A, Anson, P. D. Sargent, ch. engr.

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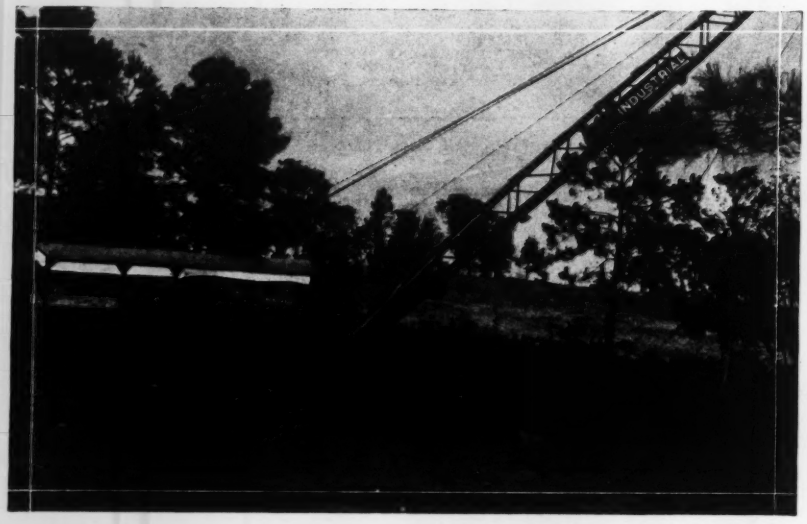

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St. Louis, Mo. Railway Exchange Bldg.

Streets and Roads (Continued)

New Hampshire—Aug. 5, by State Hy. Dept., Concord, 3 in. 6 in. gravel paving 12,650 ft. Central Rd. in Strafford and Bennington. $30,000. O. M. Janes, Northwood Narrows, engr.

Massachusetts—Aug. 9, by Dept. Pub. Wks., Boston, bituminous macadam paving 1,700 ft. highway in Rutland; gravel with bituminous surface, treatment 4,846 ft. in New Braintree; and 2 rein.-con. bridges and approaches on highway in Bolton and Lancaster, W. F. Williams, comr.

Mass., Medford (br. Boston)—Aug. 5, at Mayor's Office, 10 High St. warrenite bitulithic paving 2,200 sq.yd. Boston Ave. and 1,800 sq.yd. Water St. City Engineer, 50 Swan St.

N. Y., Long Island City—Aug. 8, M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading and granite block paving 45th (Honeywell) St., and sheet asphalt on concrete paving 129th St.; and grading, etc. Simonson Pl., Jamaica and Stanley Aves., Virginia, Honeywell, 41st and 61st Sts.

N. Y., St. George—Aug. 10, by J. A. Lynch, pres. Richmond Boro, Boro Hall, constructing concrete sidewalk on Morrison Ave. and grading and bituminous macadam paving Courtland St. and Neal Dow Ave.

New Jersey—Aug. 22, by State Hy. Comn,. Trenton, grading, sewers, and 8 in. rein.-con. paving, etc. 55,623 sq.yd. Route 1, Sect. 7-A, Mercer Co. and 42,810 sq.yd. Route 18 (north) Sect. 5, Bergen Co. A. L. Grover, ch. clk.; adv. E. N.-R. Aug. 4.

N. J., Somerville—Aug. 17, by Bd. Freeholders Somerset Co., Court House, grading, curbing and 8 in. rein.-con. paving 12,900 sq.ft. Sect. 3, New Jersey Turnpike, here. O. Smith, Jr., co. engr. adv. E. N.-R. Aug. 4.

Pennsylvania—Aug. 12, by State Hy. Comn., Harrisburg, one course rein.-con. paving, etc. 97,188 ft. 21 projects in 18 counties. J. L. Stuart, secy. highways.

Pa., Altoona—Aug. 16, by Supers. Blair Co., Logan Twp., improving Ivyside Dr., Penn and Park Aves. 2,250 cu.yd. grading, 1,000 sq.yd. concrete sidewalks, 4,800 ft. curb and gutter and 5,650 sq.yd. asphalt paving. A. Richards, City Hall, engr.

Delaware—Aug. 24, by State Hy. Dept., Dover, grading and concrete paving 5,900 cu.yd. Contr. 87, 1,650 cu.yd. Contr. 93, 6,200 cu.yd. Contr. 92 and 400 cu.yd. Broadkill Bridge Approaches, Contr. 53; adv, E. N. R. Aug. 4.

Maryland—Aug. 9, by State Hy. Comn., Baltimore, concrete paving 1 mi. Contr. F-100 Frederick Co.; 2 mi. Contr. M-81, Montgomery Co.; 0.5 mi. Contr. P-78, Prince George Co.; 2.7 mi. Contr. S M-38, St. Marys Co.; and 1 mi. Contr AA.-51, Anne Arundel Co. J. N. Mackall, chn.

Maryland—Aug. 16, by State Hy. Dept., Baltimore, paving, etc. Contr. P-76, Prince Georges County, Cont. H-56, Harford Co., Contr. AA-31, Anne Arundel Co. and Contr. Ch-45, Charles Co. J. N. Mackall, chn. adv. E. N.-R. Aug. 4.

Md., Baltimore—Aug. 10, by Bd. Awards, paving various streets as listed in Contracts 422 and 423, S. Purcell, City Hall, hy. engr.

Virginia—Aug. 11, by State Hy. Comn., Richmond, grading 8 mi. Project SI39C and S162DC; grading and bridging 3 mi. S494A; and bituminous macadam paving 3 mi. S505. C. S. Mullen, ch. engr.; adv. E. N.-R. July 28.

W. Va., Charleston—Aug. 9, by Kanawha Co Court, concrete paving 0.83 mi. Ruth-Rabel Mt. Rod. Project 197, Charleston-Hamlin Route, Washington Dist. R. N. Moulton, clk.

W. Va., Wheeling—Aug. 10, by Ohio County Court, grading, etc. 1.7 mi. Glenns Run and Cherry Hill Rds. $35,000 and Chaplin St. extension $45,000. A. S. Bell, Wheeling, co. engr.

Florida—Aug. 16, at office State Rd. Dept., Tallahassee, **(P. means Project and R. Road)** grading, etc. 17.75 mi. P.518 and 13.19 mi. P.535, both R.5-A, Lafayette Co.; 6.23 mi. P.624, R.50 Hamilton Co.; 14.91 mi. P.706-BR.28, Putnam Co.; 7.98 mi. P.708 R.11, 9.65 mi. P.722, R.11, and 8.83 mi. P.722, R.43, all Jefferson Co.; 11.76 mi. P.723, R.66, Leon Co.; and 12.23 mi. P.763, R.50, Suwannee Co. J. L. Cresap, state engr.

Alabama—Aug. 15, by State Hy. Comn., Montgomery, **(F. A. P. means Federal Aid Project and S. P., State Project)**, concrete, bituminous concrete and rock asphalt on concrete paving, etc. roadway in Attalla Twp., S. P. 231, Etowah Co.; Kentucky rock on Puzzolan concrete paving, etc. 11,860 sq.yd. roadway in Luverne Twp., S. P. 223, Crenshaw Co.; bitulithic paving, etc., 9,370 sq.yd. roadway in Talladega Twp., S. P. 230, Talladega Co.; concrete paving, etc. 10,413 sq.yd. roadway in Guin Twp., F. A. P. 173-A Marion Co., 3,600 sq.yd. roadway in Hartford Twp., S. P. 229, Geneva Co., 4,792 sq.yd. highway in Dadeville, S. P. 232, Tallapoosa Co., and 6,700 sq.yd. roadway in Brundidge Twp., S. P. 210, Pike Co.; also gravel surfacing 24,000 cu.yd. roadway between Uniontown and Newbern, F. A. P. 141-B, W. Finnell, highways dir., Hale and Perry Counties.

Alabama—Aug. 19, by State Hy. Comn., Montgomery **(F. A. P. means Federal Aid Project and S. P. State Project)** grading, etc. approximately 13.24 mi. highway between Demopolis and Moscow, F. A. P. 188-B, Marengo Co.; grading and paving, etc. 3.885 mi. highway between Montgomery and bridge over Alabama River, at Reeses Ferry. F. A. P. 194 Montgomery Co., 10.77 mi. highway between Lowndes Co. and Greenville Twp., Butler Co., F. A. P. 101, Butler Co. (reopened), 6.865 mi. highway F. A. P. 148, Autauga and Montgomery Counties, 16.606 mi. roadway between Birmingham and Warrior, F. A. P. 149 and 2.42 mi. highway, F. A. P. 147 Jefferson Co.; also 10.582 mi. highway between Theodore and Grand Bay, F. A. P. 146-B, Mobile; paving 14.93 mi. highway near Garden City, F. A. P. 151, Cullman Co., W. Finnell, highways dir.

Alabama—Aug. 23, by State Hy. Comn., Montgomery **(F. A. P. means Federal Aid Project and S. P. State Project)** grading, etc. approximately 8 mi. road between Pell City and Cooks Springs, F. A. P. 164-B, St. Clair Co. 3 mi. highway north and south of Cullman Twp., F. A. P. 151 Cullman Co. Revision, 8.46 mi. road between Decatur and Courtland, F. A. P. 187 Morgan and Lawrence Counties, 16.22 mi. road between Center and Georgia state line, S. P. 118 Cherokee Co., and 11 mi. road between Waverly and Camp Hill, F. A. P. 160-A, Tallapoosa Co.; clearing, etc. road between Guin and Hamilton, Marion Co., F. A. P. 173-B Marion Co., 5.33 mi. highway between Collinsville and Etowah Co. line, F. A. P. 192 Dekalb Co.; 11.435 mi. road between Athens and Madison Co. line, F. A. P. 171-A Limestone Co., and 5.75 mi. highway between Sulligent and Mississippi line, S. P. 155, Lamar Co.; surfacing 23.34 mi. S. P. 62, Cleburne Co.; also constructing bridges on roadway between Guin and Hamilton, F. A. P. 173-B-C, Marion Co. W. Finnell, highways dir.

Alabama—Aug. 25, by State Hy. Comn., Montgomery **(F. A. P. means Federal Aid Project and S. P. State Project)** grading, etc. approximately 18.81 mi. roadway between Union Springs and Barbour Co. line, F. A. P. 191 Bullock Co., 6.57 mi. highway between Mobile Co. line and Fruitdale, S. P. 79-B Washington Co., 12.14 mi. road S. P. 136-A, and 18.45 mi. roadway between Andalusia and Opp, S. P. 129-B, Covington Co., 15.91 mi. highway between Foley and Loxley, F. A. P. 193 Baldwin Co., 18.15 mi. highway between Uniontown and Demopolis, F. A. P. 188-A, Perry, Marengo and Hale Counties, and 9.72 mi. highway between Ozark and Enterprise, S. P. 130-A, Dale Co.; surfacing approximately 14.06 mi. road between Seale and Girard, F. A. P. 178, Russell Co., and 22.4 mi. road between Greenville and Luverne, F. A. P. 172, Butler and Crenshaw Counties. W. Finnell, highways dir.

Ala., Birmingham—Aug. 22, by City Comn., 2 in. asphalt on 6 in. concrete paving 2 blocks Pearson and Steiner Aves. 20 ft. $3,750, 3 blocks Cliff Rd. 28 ft. $11,150, and 7 i.i. concrete paving, etc. 4 blocks 13th Ave. S. and 33rd St. S. 25 ft. $15,200. A. J. Hawkins, city engr.

Ala., Birmingham—Sept. 1, by City Comn., grading, curbing, walks and 2 in. asphalt on 5 in. concrete paving 5 blocks 17th Pl. $32,650, 6 blocks Ave. G. Ensley $25,000, and 5 blocks Ave. H, Ensley $21,000, all 30 ft. wide, and 7 blocks 5th Ave. W., 26 ft. $29,650; also curbing, guttering, walks and 2 in. asphalt on 6 in. concrete paving 4 blocks, 4th Ave. S, 50 ft. $30,000, and 1 block 6th Ave., 40 ft. $7,000. A. J. Hawkins, engr.

Miss., Greenville—Aug. 8, by Bd. Supervs. Washington Co., concrete paving 50,594 sq.yd. Federal Aid Project 59. H. C. Dietzer, Jackson, highway engr.

Miss., Kosciusko — Aug. 12, by Bd. Supervs. Attala Co., gravel on rock surfacing 9.744 mi. Federal Aid Project 37-A; also 343 tons sand clay f.o.b. cars Kosciusko. H. C. Dietzer, Jackson, state highway engr.

Miss., Oxford—Aug. 18, by Bd. Supervs. Lafayette Co., grading and sheet asphalt or warrenite bithulithic on concrete paving 11,339 sq.yd. Federal Aid Project 66-A and 97-A. H. C. Dietzer, Jackson, state highway engr.

La., Natchitoches—Aug. 23, by O. F. Himel, city secy.-treas., City Hall, grading, curbing, guttering and rein.-con. paving 30,190 sq.yd. Cypress Ave., St. Dennis, New 2nd and Jefferson Sts. C. D. Evans, 414 Levy Bldg., Shreveport, consult. engr.

Tennessee—Sept. 16, by State Hy. Comn., Nashville, approximately concrete paving 45 mi., grading 95 mi. and constructing 8 concrete bridges. $2,750,000. C. N. Bass, comr.; adv. E. N.-R. Aug. 4.

O., Akron—Aug. 8, by W. F. Peters, dir. Pub. Serv., grading, curbing and vitr. brick paving 8,400 sq.yd. Rhodes Ave. $127,500, 7,300 sq.yd. East South St., $48,300, 4,900 sq.yd. Firestone Blvd. N. $55,700, 4,130 sq.yd. Whittier Ave. $25,000; 2,170 sq.yd. Princeton St. $16,800; also grading, curbing and vitr. brick paving 10,300 sq.yd. and concrete paving 165 cu.yd. Bower and Raymond Sts. $77,400, vitr. brick paving 2,450 sq.yd. and concrete paving 140 cu.yd. Della Ave. $27,000; and curbing, guttering, walks and cindering 1,300 cu.yd. Neptune Ave. et al. $15,700. E. A. Kemmler, Municipal Bldg., engr.

O., Canton—Aug. 10, by Bd. Control, brick paving, etc. approximately 1 mi. Cherry Ave. N. E., 50 ft.; and improving 25th St. N. W. from Market Ave. N. to west corporation line. $50,000 each. W. E. Sarver, City Hall, engr.

O., Maple Heights (br. Cleveland)—Taking bids paving, etc. 3 streets. To exceed $25,000. C. W. Courtney, 1770 East 11th St., Cleveland, engr.

O., Wauseon—Aug. 9, by G. E. Gehring, city clk., grading and brick or bituminous concrete paving, etc. 13,275 sq.yd. Clinton St. from Jefferson to Depot Sts. $28,700. G. Champe, 2363 Robinwood Ave., Toledo, engr.

Ind., Marion—Aug. 12, by Bd. Comrs. Grant Co., grading and asphalt paving, etc. George Leverich Rd., Van Buren Twp.

Ind., Newport—Aug. 11, by Bd. Comrs. Vermillion Co., M. Lewis, aud., constructing John D. Todd et al highway in Eugene Twp. $70,025.

Ind., Princeton—Aug. 13, by Bd. Comrs. Gibson Co., constructing Erastus Burkett et al Rd., Montgomery Twp. $28,645. A. M. Johnson, aud.

Michigan—Aug. 11, by H. C. Fleming, resident engineer, Grand Rapids, concrete paving 6.151 mi. FO 59-3, Contr. 1, Montcalm Co., 20 ft., for State Hy. Dept., Lansing.

Michigan—Aug. 12, by H. C. Fleming, resident engr., Grand Rapids, concrete paving 2.231 mi. Mo 41-15 Contr. 1, Kent Co., for State Hy. Dept., Lansing.

Michigan—Aug. 16, by A. R. Schaefer, resident engr., Newberry, graveling 5 mi. 048-4, Contr. 1, and 5.09 mi. 048-4C-1, Luce Co., both 18 ft., for State Hy. Dept., Lansing.

Michigan—Aug. 17, by G. D. Tramp, resident engr., Crystall Falls, concrete paving 1.849 mi. FO 36-13 Contr. 1, Iron Co., 20 ft., for State Hy. Dept., Lansing.

Michigan—Aug. 17, by R. W. Roberts, resident engr., 504 Eddy Bldg., Saginaw, constructing F025-4, Contr. 3, Genesse Co., 20 ft., for State Hy. Dept., Lansing.

Michigan—Aug. 23, by G. H. Greene, resident engr., Alpena, constructing 8.856 mi. FO16-13 Contr. 3 mi., Cheboygan Co., for State Hy. Dept., Lansing.

Michigan—Aug. 26, by R. W. Roberts, resident engr., 504 Eddy Bldg., Saginaw, constructing 12.379 mi. FO29-17 Contr. 1, Gratiot Co., for State Hy. Dept., Lansing.

Mich., Hersey—Aug. 10, by H. G. Oakes, res. engr., Cadillac, concrete paving 0.684 mi. MO.67-21, Contr. 1, Osceola Co., 20 ft. for State Hy. Dept., Lansing.

Wisconsin—Aug. 9, by State Hy. Comn., Court House, Rhinelander, graveling, etc. 6,723 cu.yd. Rhinelander-Monico Rd., Federal Aid Project 436-A; and 720 cu.yd. Merrill-Woodruff Rd., Federal Aid Project 431-B, both Oneida Co.; also 5,288 cu.yd. Prentice-Park Falls-Mellon Rd., Federal Aid Project 405-C. F. M. Sergeant, div. engr.

Wis., Oconto—Aug. 9, by city, O. Neeuwsen, clk., concrete or vibrolithic concrete paving Smith, Brazeau and Chicago Sts. $36,000. W. B. Hall, City Hall, engr. Former bids rejected.

Minnesota—Aug. 16, by State Hy. Comn., St. Paul, concrete paving approximately 118,000 sq.yd. State Project 63-22, Divs. B and D, Federal Aid Project 383, north

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Streets and Roads (Continued)

and south of New Brighton. Dept. Highways, 1246 University Ave., St. Paul, engrs.

Kan., Independence—Aug. 25, by Clerk Montgomery Co., grading, concrete or brick surfacing 3.733 mi. Federal Aid Project 70-A, 18 ft.; and 4.524 mi. Federal Aid Project 84-A 18 ft. J. E. Courtright, Independence, engr.

Kan., Erie—Aug. 12, by L. R. Stanley, Court House, clk. Neosho Co., grading, chats surfacing, bridging, etc., 8.55 mi. Federal Aid Project 308, Sect. B, C and D on Kansas Project 49, 28 ft. C. P. Donald, Court House, engr.

Kan., Kansas City—Aug. 18, by Clerk Wyandotte Co., grading and concrete surfacing, etc., 52,586 sq.yd. Kansas Project 98. O. K. Williamson, Kansas City, engr.

Kan., Kansas City—Aug. 18, by Clerk Wyandotte Co., concrete paving, etc. 72,586 sq.yd. Federal Aid Project 98. O. K. Williamson, Kansas City, co. engr.

Kan., Marysville—Aug. 9, by Marshall Co., grading 2.024 mi. Project 73-A, U. S. Road 36.

Mo., St. Louis—Aug. 16, by Bd. Pub. Serv., 208 City Hall, vibrolithic concrete paving 4,435 sq.yd. Ecoff Ave. $24,000; rein.-con. paving, etc. 1,825 sq.yd. Harney St. $11,000; concrete paving, etc. 300 sq.yd. Delor St. $10,720; asphaltic concrete paving, etc. 1,075 sq.yd. Hereford St. $7,000, and 1,150 sq.yd. Oxford Lane $7,400; brick on concrete paving 4,005 sq.yd. Macklind Ave. $20,320, and 3,590 sq.yd. Elias St. $30,320; warrenite paving, etc. 1,630 sq.yd. Reber Pl., $13,800; recut granite block paving 2,610 sq.yd. 14th St. $17,480; and warrenite bitulithic paving 3,240 sq.yd. Bradley St. $35,000, 4,315 sq.yd. Kingshighway between Forest Park and Manchester Ave. $34,520, and 5,600 sq.yd. Kingshighway between Scott Ave. and Forest Park $44,480. W. W. Horner, 300 City Hall, engr.

Mo., St. Louis—Aug. 23, by Bd. Pub. Serv., 208 City Hall, constructing 100,000 cu.yd. earth embankment for approaches of Delmar Blvd. Viaduct over Wabash R.R. track, between Hamilton and Rosedale Aves. $80,000. L. R. Bowen, 301 City Hall, engr.

Tex., Abilene—Aug. 15, by State Hy. Engineer, Austin, concrete paving 10.487 mi. Highway 30, Taylor Co., $270,000, W. J. Van London, Abilene, engr. 15.62 mi. Highway 7, Fairfield Co. M. B. Hodges, Fairfield, res. engr. $440,000, 10.75 mi. Highway 43, Palestine Co. $265,000. E. W. Davis, Palestine, co. engr.

Tex., White Deer—Aug. 10, by City, c/o B. McCoy, secy. and J. C. Jackson, mayor, 3 in. brick on 5 in. concrete, or 2½ in. brick on 5 in. concrete or plain concrete and 2 in. bitulithic on 5 in. concrete paving 7,889 sq.yd. various streets. $32,000. J. S. Harrison, Court House, Panhandle, engr.

Okla., Clinton—Aug. 9, by W. A. Shouse, city clk., grading, curbing and concrete paving 8,860 sq.yd. Dist. 24. $28,390. Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., engrs.

Okla., Cushing—Aug. 8, by F. E. Hough, city clk., grading, curbing and concrete paving 9,880 sq.yd. in Dist. 37. $28,879. G. Estey, Cushing, engr.

Okla., Holdenville—Aug. 8, by J. Kirk, city clk., grading, curbing and concrete paving 7,700 sq. yd. in Dist. 24. $28,227. C. Edge, Holdenville, engr.

Okla., McAlester—Aug. 8, by H. R. McDonald, city clk., grading and concrete paving 9,600 sq.yd. Dist. 36. $29,877. F. Frazier, McAlester, engr.

Ont., Hamilton — See "Contracts Awarded."

Ont., Wiarton—See "Contracts Awarded."

Contracts Awarded

Vt., Brattleboro—State Hy. Dept., Montpelier, rein.-con. paving 1.9 mi. highway, here, to C. Bianchi & Co., Inc., Fitts Bldg., Framingham, Mass., $84,109.

Massachusetts—Dept. Pub. Wks., Boston, rein.-con. paving 11,058 ft. highway in Holyoke, to D. O'Connell & Sons, 480 Hampden St., Holyoke, $73,171; gravel and bituminous macadam paving 3,648 ft. highway in Newbury, to R. S. Watkins, Amesbury $6,860, and 3,250 ft. in Blackstone, to M. L. Sullivan, Millville, $8,744. Grand total $88,775.

Mass., Amesbury — Asphalt repaving Congress St., to V. Guigli & D. Bernardi, Amesbury. Engrs. est. $25,000. Private plans.

Mass., Boston—Sheet asphalt or bithulithic paving Beacon St. Ward 5, to A. De Stefano, 288 Summer St., $30,551. Noted June 30.

Mass., West Roxbury (sta Boston)—Reconstructing Oakland and Ashland Sts. as highway, here, to W. J. Barry, Rosindale, Engrs. est. $25,000.

Conn., Ansonia—Bituminous macadam paving Beaver, Canal and Mott Sts., to D. V. Frione & Co., 105 Ward St., New Haven, $35,700. Engrs. est $40,000.

Conn., Hartford—Concrete and sheet asphalt paving Chapel, Hudson, Vine and Windsor Sts., to E. Balf Co., 14 Haynes St., $126,799. Engrs. est. $148,000. Noted May 19.

Conn., Meriden—City Bd. Educ., grading and construction work at Huntington School, to D. Mongillo, 52 High St., Southington; at Jefferson and Trumbull Schools, to W. J. Montgomery & Co., 72 Canner St., New Haven; and at Lincoln School, to Robison & Powers, 16 West Main St., Meriden. Engrs. est. $30,000. Noted Jan. 20.

New York—A. W. Brandt, comr. Highways, Dept. Pub. Wks., Albany, grading 4.25 mi. Jones Beach Causeway, Nassau Co., to R. A. Perry, Woolworth Bldg., New York City, $272,547. Engrs. est. $373,844. Noted July 14.

N. Y., Brooklyn—Park Bd., Dept. Parks, Arsenal Bldg., Central Park New York City, grading 66th St. from 7th to 8th Aves., here, to J. D. Norton, 20 Sterling Pl., $21,580. Noted July 28.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., to A. Paino, 9215 Union Hill, Jamaica, sewer in 114th St., $643,538; to Kew Contg. Co., Mineola, in Middleburg Ave. $8,841, Potter Ave. $17,687, Cypress Ave. 650, in Hicks Pl. $4,332, Queens Blvd., $7,991, Roosevelt Ave. from 58th to 60th Sts. $7,659, Roosevelt Ave. from 69th St. to Myers Ave. $1,834, Roosevelt Ave. from 92nd to Junction Blvd. $20,316, 65th St., etc. $18,006 and Trimble Ave. $4,283; to G. A. Everett, 13030 109th St., Richmond Hill, 45th Ave. $61,292; to Peace Bros., 57 North Lawrence St., Flushing, Roosevelt Blvd. from Rombouts Pl. to 76th St. $7,406, and to J. H. Johnson, 2nd St., Polk Ave., etc., $39,486. Grand total, $843,321. Noted July 7.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., repairing wood block, granite block and Oak Key block paving in railroad area, to Casper Helbrock Co., 633 Wales Ave., $60,752. Noted July 14.

N. J., Trenton—Granite block paving 7,500 sq.yd. New York Ave., to Agobitti Bros., Division St., $62,391; sheet asphalt paving 12,000 sq.yd. Stuyvesant Ave. and 5,250 sq.yd. Plum St., to Union Paving Co., 123 South 21st St., Phila., Pa. $72,794 and $26,761 respectively. Grand total $161,946.

Pennsylvania—State Hy. Comn., Harrisburg **(A. means Application and R. Route)**, rein.-con. paving, etc. 19,130 sq.yd. R. 128, Lancaster Co., to Union Paving Co., 123 South 21st St., Phila. $84,636, 44,770 sq. yd. R. 31, Perry and Juniata Counties, to Lord Constr. Co., Hastings $224,192, 17,452 sq. yd. R. 117, Sect. 6, Fayette Co., to Brooke & McIntyre, Uniontown $99,982, 12,508 sq. yd. R. 140, Dauphin Co., to Continental Contg. Co., Knickerbocker Bldg., Baltimore, Md. $58.581, 22,483 sq.yd. A. 4274, Washington Co., to D. W. Challis & Sons, Sewickley $120,947 and 30,602 sq.yd. A. 4564, Lehigh Co., to Dalton Bros., Paoli $134,983; also grading, etc. 28,671 cu.yd. R. 63, Indiana Co., to Milliron Constr. Co., Milliron Bldg., DuBois $38,169. Grand total $761,490. Noted June 30.

Pa., Phila.—Dept. City Transit, relaying existing granite blocks on concrete paving 2,565 ft. Broad St. between Venango and Butler Sts., and Bellfield and London Aves., 69 ft., to Eastern Asphalt Co., Penna. Bldg., $88,284. Noted July 14.

Pa., Phila.—Dept. City Transit, H. E. Ehlers, dir., 1211 Chestnut St., granite block on concrete paving with mastic filler 2,135 ft. Broad St., 69 ft. Contr. 168, to United Paving Co., Widener Bldg., $67,834.

Maryland—State Rd. Comn., Baltimore, graveling 1.1 mi. road from end P-65 to Piscataway, Contr. P-74, Prince George Co., to Southern Maryland Constr. Co., 14 East Lexington St., Baltimore, $16,748; macadam paving 1 mi. road from Emmorton to Van Bibber, Contr. H-52, Harford Co., to T. B. Gatch, Towson, $18,593; concrete paving 1.1 mi. road between Catch Penny and White Haven, Contr. WI-44, Wicomico Co., to P. D. Phillips & Bros., Salisbury $20,987; 1 mi. road from Contr. F-88 to Rocky Ridge Contr. F-100, Frederick Co., to M. J. Grove Lime Co., Lime Kiln $32,984, and 0.13 mi. road between Rohdesdale and Brookview, Contr. D-2-A, Dorchester Co., to Holt Constr. Co., Federalsburg $3,104; sheet asphalt paving 0.4 mi. road along Gwynne Falls Parkway, Contr. B-76, Baltimore Co., to Baltimore Asphalt Block & Tile Co., 1320 North Monroe St., Baltimore, $59,355, concrete shoulders on 0.5 mi. road through Berlin, Contr. W-5-D, Worcester Co., to Hannemann-Burroughs Co., Salisbury $3,379, 5 mi. road between Frostburg and Midland, Contr. 48-A, Allegheny Co., to Kelley Constr. Co., Clarksburg, W. Va., $46,010. Grand total $201,360. Noted July 7.

Md., Baltimore—Concrete paving alleys listed in Contr. 125, to Aiello Constr. Co., 4th and Gough Sts. $16,163, and 17,190 sq. yd streets in Contr. 412, to Ward & O'Connell, 3114 Presbury St. $36,946; sheet asphalt paving 12,520 sq.yd. streets in Contr. 413, to Baltimore Asphalt Block & Tile Co., 1320 North Monroe St., $59,535. Grand total $112,644.

Md., Baltimore — Bd. Awards, concrete paving 18,550 sq.yd. streets listed in Contr. 414, to J. Lavezza, 911 Eastern Ave., $43,729; sheet asphalt paving 12,560 sq.yd streets listed in Contr. 415, to P. Flanigan & Sons, Harford R. and B. & O. R.R. tracks, $56,632; grading and concrete paving footways listed in Footway Contr. 103, to A. Apicella, 2907 McElderry St., $26,125. Grand total $126,486. Noted July 7.

W. Va., Summersville—Nicholas Co., and State Hy. Comn., Charleston, grading, etc. 7.65 mi. Twin Churchs-Calvin Rd., to Cavin & Co., Charleston, $100,045.

W. Va., Middlebourne—Tyler Co., grading, etc. 8.5 mi. Projects 1, 2 and 3, to Truck Transportation Co., 2412 Main St., Wheeling, $42,343.

Ga., Cartersville—T. A. Upshaw, city clk., City Hall, 6 in plain concrete paving 2 blocks Leake St., between Irwin and Tennessee Sts., to Pittman Constr. Co., Rhodes Bldg., Atlanta.

Ga., Cedartown—J. C. Walker, city clk., 6 in. concrete paving, etc. 13,000 sq.yd. Callegr St., to Whitley Constr. Co., La Grange, $35,141.

Ga., Rome—S. S. King, city mgr., Warrenite bitulithic on 4 in. concrete paving, etc. Cherokee; Myrtle and East 8th Sts., to Atlantic Bitulithic Co., Munsey Bldg., Wash., D. C. $17,261; and 6 in. concrete paving, etc. Klassing and West 7th Sts., to J. L. Watson, 104 Klassing St., $9,328.

Ga., Swainsboro — Mayor and Council, asphalt on concrete paving, etc. 16,000 sq.yd. various streets, to Powell Paving Co., Wachoria Bank Bldg., Winston-Salem, N. C.

Ga., Valdosta—Curbing, guttering and concrete paving 5,500 sq.yd. Floyd, Jones, Toombs and June Sts., to Dixon Contg. Co., Valdosta.

Florida—State Rd. Dept., Tallahassee, grading, etc., 12.09 mi. road 28 from Keystone Heights of Florahome, Putnam Co., to Franklin Constr. Co., Apalachicola, $76,971.

Ala., Bessemer—For curbing, guttering, walks and 2 in. asphalt on 6 in. concrete paving 10 blocks 4th Ave., here, and various streets in suburb of Jonesboro, to Sullivan, Long & Hagerty, Amer. Trust Bldg., Birmingham, $56,768. Engrs. est. $60,200.

Ala., Birmingham—City Comn., **(e.e. means engrs. est.)** 2 in. asphalt on 6 in concrete paving 5 blocks 77th St. and 5th Ave. N., 40 ft., to Newell Constr. Co., 3828 Ave. A, $35,782 e.e. $53,200, and 3 blocks Cullman Ave., 13th and 31st Sts., 27 ft., to H. N. Bowdry, Alabama Power Co. Bldg., $12,731 e.e. $15,450; 2 in. asphalt on 5 in. concrete paving 4 blocks 1st Ave. S., 27 ft., to Independent Paving Co., Amer. Trust Bldg., $12,625 e.e. $13,500, also 4 blocks 47th St., Ensley and 6 in. concrete paving 2 blocks 13th Ave. S., both 27 ft., to Southern Roads Co., Pioneer Bldg., $21,009 and $5,964 respectively e.e. $27,000 and $7,450 respectively and 1 block McMillan Ave. and Montevallo Rd., 27 ft., to Dunn Constr. Co., Lincoln Life Bldg., $5,646 e.e $6,875; 5 in. concrete paving 200 ft. 46th Pl., Ensley, 18 ft., to C. A. Shepherd, 316 North 74th St., $299 e.e. $300; also 4 ft. cement walks on 3 blocks 29th St., to Concrete Serv. Co., Amer. Trust Bldg., $1,986 e.e $2,500. Grand total $96,042.

Miss., Belzoni—Humphreys Co., grading, bridging and concrete paving 4.724 mi. Federal Aid Project 179-C, to Lawrence Constr. Co., 213 Lamar Life Bldg., Jackson, $33,171. Noted June 30.

Miss., Biloxi—Harrison Co., Gulfport, grading and 2 in. warrenite-bitulithic on concrete paving Pineville Rd., to Southern Paving Co., Volunteer Life Bldg., Chatta-

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nooga, Tenn., $31,693; and Porter Ave., to Baird Eller Constr. Co., Nichol Bldg., Nashville, Tenn., $11,924. Noted June 30.

Miss., Brookhaven—City Council, grading paving West Monticello, West Court and Cherokee Sts., to Dunn Constr. Co., Jackson, $35,441.

Miss., Jackson—Grading and concrete paving Lamar St. from Pearl to Pascagoula Sts., to McGee & Wetmore, Jackson, $58,486.

Ala., Birmingham—Bd. Revenue Jefferson Co., concrete paving ¼ mi. Bessemer-Cedar Hill Cemetery Rd., to Morgan Hill Paving Co., Woodward Bldg., $10,855; engrs. est. $11,500; also 6 in. concrete paving, etc. ⅝ mi. Old Springville Rd., to Southern Roads Co., Pioneer Bldg., $15,015, engrs. est. $16,100, both 18 ft. wide.

Tenn., Dyersburg—Concrete paving various streets, to W. R. Aldrich Constr. Co., Dyersburg, approximately $34,000. Noted Jan. 27.

Ohio—G. F. Schlesinger, dir. Hys. & Pub. Wks., Columbus, surfacing, etc. roadways in Harrison, Belmont and Carroll Counties, to Trumbull Constr. Co., Warren, $22,562, roadways in Clark Co., to Ohio Rd. Impvt. Co., 28 East Broad St., Columbus, $10,928, roads in Columbiana Co., to Allied Products Co., 9210 Holton St., Cleveland, $6,642, roads in Guernsey Co., to T. D. Van Camp, Columbus, $8,183, roads in Logan Co., to C. B. Weymouth, Bellfontaine, $11,763; and roads in Seneca Co., to L. Dehmer, Tiffin, $8,450. Grand total $68,528. Noted July 14.

Ohio—G. F. Schlesinger, dir. Hys. & Pub. Wks., Columbus, surfacing, etc. roadways in Harrison, Belmont and Carroll Counties, to Trumbull Constr. Co., Warren, $22,562, roadways in Clark Co., to Ohio Rd. Impvt. Co., 28 East Broad St., Columbus, $10,928, roads in Columbiana Co., to Allied Products Co., 9210 Holton St., Cleveland, $6,642, roads in Guernsey Co., to T. D. Van Camp, Columbus, $8,183; roads in Logan Co., to C. B. Weymouth, Bellfontaine, $11,763; and roads in Seneca Co., to L. Dehmer, Tiffin, $8,450. Grand total $68,528. Noted July 14.

Ohio—G. F. Schlesinger, dir. Hys. & Pub. Wks., Columbus, grading and bituminous macadam paving 1.581 mi. Sect. "S" Chagrin Falls Greenville Rd., Trumbull Co., to McDermott Constr. Co., Niles, $58,460.

Ohio—G. F. Schlesinger, dir. Hys. & Pub. Wks., grading and concrete paving 3.217 mi. Dennison-National Rd., Tuscarawas Co., to Lewis & Copeland Constr. Co., Lima, $90,462.

O., Akron—Comrs. Summit Co., grading and traffic bound slag paving Sect. "A" Stimson Rd. C. H. 209, to Gray & Quillen, Millersburg, $27,509.

O., Cleveland—Comrs. Cuyahoga Co., granite curbing and 2½ in. vitr. brick paving 34,800 sq.yd. East 185th St., to Gould & Maybach, 16311 Saranec Rd., $180,355.

O., Cleveland—Bd. Comrs. Cuyahoga Co., improving River Rd. 4, to Freshwater Constr. Co., Davis & Farley Bldg., $57,007.

O., Cleveland—Grading and paving with (a) brick (b) asphalt and (c) concrete (1) Fernway Dr. (2) Harvey Ave. (3) East 69th St. (4) Carroll Ave. (5) Hansom Court (6) Diese Ave. (7) St. Clair Ave. (8) East Blvd. (9) East 37th Pl. (10) Bellaire Rd. Sect. 1 (11) Bellaire Rd. Sect. 2 (12) Courtland Ave. (13) Elton Ave. (14) Lydain Ave. (15) Sedalia Ave. (16) West 42nd St. (17) West 39th St. (18) West 46th St. (19) West 95th St., to Enterprise Paving & Constr. Co., 8444 Bway. (b1) $22,764 (b2) $18,036 (c3) $7,001; to Baldwin Bros., 4500 Euclid Ave. (a4) $11,193 (a5) $6,114; to Gould & Maybach, 16311 Saranec Rd. (b6) $13,712 (b7) $73,904; to Rieley Bros., The Arcade (b8) $74,201 (b9) $4,472; to Roehl Bros., 7002 Dennison Ave. (a10) $158,471 (a11) $53,439 (a12) $12,083 (c13) $10,152 (a14) $13,605 (b15) $13,932 (c16) $2,492 (a17) $4,835 (b18) $4,835 (a19) $11,298. Grand total $518,539.

O., Cincinnati—Grading, guttering and concrete repaving, etc. 45,500 sq.yd. Miami Ave., to Brewer & Brewer, 215 Hazen Bldg., $164,758, engrs. est. $188,102; also surface treating, etc. 40 mi. various roads, to L. P. Cavett Co., Wyoming Ave., Wyoming, $24,975, engrs. est. $25,315.

O., Cincinnati — Grading, guttering and concrete repaving, etc. 45,500 sq.yd. Miami Ave., to Brewer & Brewer, 215 Hazen Bldg., $164,758, engrs. est. $188,102; also surface treating, etc. 40 mi. various roads, to L. P. Cavett Co., Wyoming Ave., Wyoming, $24,975, engrs. est. $25,315.

O., Cleveland—To Highway Constr. Co., Guarantee Title Bldg. asphalt paving George Ave. $7,863, Kingsford Ave. $9,787, East 138th St. $14,186, brick paving East 80th St. $11,362; to Freshwater Constr. Co., Davis & Farley Bldg., asphalt paving Muriel Ave. $11,671, Pensacola Ave. $10,416, and West 50th St. $8,548, to Bentley Bros., Hanna Bldg., Park Lane $5,200; to H. G. Herring, Wayside Rd., brick paving, etc. Kipling Ave. $20,591; also to Cleveland Trinidad Paving Co., Western Reserve Bldg., curbing and vitr. brick paving Miles Ave. $221,567. Grand total $321,191.

O., Columbus—W. H. Duffy, dir. Pub. Serv., grading, curbing, sewers, and 4 in. brick paving 31,800 sq.yd. High St., also grading and concrete paving, etc. 930 sq. yd. Wall St., to R. J. Dienst, 209 South High St. $139,255 and $2,265 respectively; grading, curbing and Mexican asphalt paving 4,750 sq.yd. Amazon Pl., to A. W. Burns Constr. Co., 424 Woodland Ave., $20,499. Grand total $162,019.

O., Columbus—O. Moore, clk. Franklin Co., grading and waterbound macadam paving 1.989 mi. Cooper Rd., Blendon Twp. 16 ft., to J. M. Snouffer, Dublin, $41,523. Noted July 14.

O., Euclid—To Floyd-Stein, Inc., Euclid, bituminous concrete paving, etc. Forest View Ave., $47,363; to V. Q. Galier, Rose Bldg., Cleveland, concrete paving, etc. Pasnow Ave. $19,581, Arbor Ave., $31,391, East 209th St. $15,864, and East 207th St. $17,552. Grand total $131,751.

O., Hudson—Curbing, guttering and asphalt on concrete paving Oviatt, College, Church and Division Sts., to McCourt Constr. Co., 369 South Main St., Akron, $112,096. Engrs. est. $110,000. Noted June 30.

O., Portsmouth—T. Edwards, city clk., widening, grading and asphalt paving, etc. ¾ mi. Sect. "A" Gallia St., 42 ft., to S. Monroe & Sons Co., Portsmouth, $52,514.

Indiana—State Hy. Comn., Indianapolis, 7 and 9 in. concrete paving 76,800 sq.yd. Terra Haute-Chicago Rd., State Rd. 41, Newton Co., to D. A. Y. Constr. Co., Franklin, $130,005.

Ind., Brownstown—Comrs. Jackson Co., concrete paving Atkins Rd. to U. R. Price & Co., Bloomington, $64,134; Vogel Rd. and Walnut St., to Hancock & Kieffer, Brownstown, $40,845 and $20,944 respectively; Ackerman Rd., to C. Mitchell, Freetown, $4,249. Grand total $130,172. Noted May 5.

Ind., Danville—Hendricks Co., to W. P. Rigdon, Danville, tar on waterbound macadam paving 10,674 ft. F. N. Wright Rd., Liberty Twp. $32,770, 13,250 ft. Alvan Stanley Rd. $34,262, and 2,671 ft. O. Hadley Rd., $6,553 both Marion-Clay Twp. line. Grand total $73,585.

Ind., Kokomo—Howard Co., paving Morgan Rd., to W. J. Ness, Frankfort, $47,647.

Ind., Monticello—White Co., improving May and Thomas Rds., to A. Holloway, Yeoman, $14,400 and $12,856 respectively; Martha Miller and C. Stone Rds., to G. A. Kellenburger, c/o county auditor, $9,568 and $11,896 respectively. Grand total $48,720. Noted June 30.

Ind., Plymouth—Marshall Co. concrete paving various roads, to H. Bell, Logansport, $97,390.

Ind., Portland—Jay Co., concrete paving Campbell Rd., to W. Isenbarger, Saratoga, $21,705; Haskell Rd., to G. W. Fenning & Son, c/o county auditor, $35,687; and Imal Rd., to W. Lindlen, Salem, $10,820. Grand total $68,212.

Michigan—R. R. Havens, resident engineer, 829 Greenwood Ave., Jackson, concrete paving 1.405 mi. Mo46-7, Contr. 7, Lenawee Co., to Deckerville Constr. Co., Deckerville, for State Hy. Dept., Lansing, $47,494. Noted July 14.

Michigan—State Hy. Dept., Lansing, G. W. Green, Alpena, constructing 7.547 mi. Mo60-4. Contr. 2, Montmorency Co., to L. M. Perry, Beaverton, $97,232.

Michigan—State Hy. Dept., Lansing, constructing Mo.8-8 Contr. 2, to W. Morgan, Allegan, $3,119; and MO 34-15, Contr. 2, to L. August, Lake Osessa, $23,738, both in Barry and Ionia Counties.

Mich., Detroit—Dept. Pub. Wks., City Hall, to Detroit Asphalt Paving Co., 909 Transportation Bldg., 3½ in. sheet asphalt on 8 in. concrete paving St. Jean Ave. $40,675, Lyford Ave. $28,540, Barham Ave. $47,163, Alma Ave. $5,179, Cedar Grove Ave. $7,950, Seymour Ave. $17,163, Fairport Ave. $11,110, Yacama Ave. $59,689, Medina Ave. $3,173, Wilfred Ave. $39,699, Cadieux Ave. $43,585, Strathmoor Ave. $16,885, Leland St. $10,882, Canfield Ave. $32,383, and Maiden Ave. $42,473; to M. R. Hanna Co., Ryan Rd. and Nevada St., Greiner Ave. $333,822, and Town Line Rd. $81,344; to Cooke Asphalt Paving Co., Penobscot Bldg., Kentucky Ave. $31,083; to Cleveland Trinidad Paving Co., 402 Hammond Bldg., St. Lawrence Ave. $15,422; to Dept. Pub Wks., Constr. Div. City Hall, Lappin Ave. $17,375; to Lennane & McIlvenne, 7777 West Chicago Blvd., $32,487. Grand total $918,082.

Mich., Detroit—Catholic Diocese, Washington Blvd., asphalt bound macadam paving 51,000 sq.yd. drives in Holy Sepulchre Cemetery, to Detroit Asphalt Paving Co., 909 Transportation Bldg., $132,900.

Mich., Ferndale (br. Detroit)—Grading, curbing, guttering and one course 8 in. concrete paving 30,000 sq.yd. various streets, to R. D. Baker, 1631 Elmhurst Ave., Detroit, $96,170.

Ill., Woodriver—W. E. Howden, engr., Court House, Edwardsville, grading, concrete paving, etc. 4.5 mi. Edwardsville-Alton and Woodriver-Bethalto Highways, Woodriver Twp., to W. F. Smith, Rentchler, Ind., for Madison Co., $112,000. Engrs. est. $125,000. Noted July 14.

Wisconsin—State Hy. Comn., Div. Office 8, 1st Natl. Bank Bldg., Superior, graveling, etc. 25,817 cu.yd. Federal Aid Project 372-A and B. Ruck and Barron Counties, to S. J. Groves & Sons, 306 Globe Bldg., Minneapolis, Minn., $118,336. Noted July 14.

Wisconsin — State Hy. Comn., Madison, grading, graveling, etc. 32,908 cu.yd. Soo Company Line-Chaffey Rd., Project 407-C, Douglas Co., to V. Nelson, 2214 West 6th St., Superior, $75,844.

Wisconsin—State Hy. Comn., and H. Mink, highway comr. Grant Co., Lancaster, improving Mt. Ida-Bridgeport Rd., 35,417 cu.yd. grading, etc., to Stevens Bros., 612 Endicott Bldg., St. Paul, Minn., $18,998; and 2,189 cu.yd. sand surfacing, to Dempsey Bros., Fennimore, $9,235.

Wisconsin—State Hy. Comn., Div. Office 3, Green Bay, crushed stone surfacing, etc. 12,840 cu.yd. Fish Creek-Ephraim Rd., Door Co., State Job 3111, to T. F. Carmody, Egg Harbor $55,129; and 5,544 cu.yd. Federal Aid Project 391-B Door Co., to H. Boulanger, Casco, $9,314; also grading, etc. 2.28 mi. Rio Creek-Algoma Rd., Kewaunee Co., State Project 3034, to Schuster Constr. Co. Denmark, $9,404. Grand total $73,847. Noted June 30.

Wis., Amery—State Hy. Comn., 1st Natl. Bank Bldg., Superior, concrete paving, etc. 11,566 sq.yd. various streets, State Job 8298, here, to A. Brown, Holcombe, $36,600.

Wis., Chippewa Falls—Comrs. Chippewa Co., Court House, 6 in. concrete paving, etc. Highway 29, to Wilson Constr. Co., Appleton, $131,134.

Wis., Janesville—Com. Pub. Wks., reip.-con. paving, etc. 35,291 sq.yd. various streets, to Booth & Olson, Sioux City, Ia., $82,287. Noted June 9.

Wis., Milwaukee—Paving National Ave., to White Constr. Co., 68 East Wisconsin Ave., $22,494; and Prospect Ave., to Badger Constr. Co., 97 East Wisconsin Ave., $32,967.

Wis., Westby—City Clerk, vibrolithic paving 17,175 yd. various streets, to Whitewater Bridge Co., Whitewater, $43,655. Noted June 16.

Ia., Atlantic—Cass Co., to G. W. Condon Co., 514 Federal Reserve Bldg., Omaha, Neb., improving Primary Project 478, 171,888 cu.yd. excav. at $0.224 per cu.yd., 100 cu.yd. loose rock surfacing $0.50, 100 cu.yd. solid surfacing $1, 29,560 cu.yd. channel excav. $0.224, 230,300 sta. yd. overhaul $0.02, etc.

Ia., Cedar Rapids—To Ford Paving Co., Cedar Rapids, grading and concrete paving 2,358 sq.yd. 23rd St., $6,465, and 972 sq.yd. Alley between Upland Dr. and Meadowbrook Dr. $2,609, also curbing and guttering etc. 19th St. $2,507; to P. P. Smith, Cedar Rapids, grading and concrete paving 9,370 sq.yd. 13th St. $19,715, 1,790 sq.yd. H Ave. $4,870, also grading and brick pav-

Ia., Cedar Rapids—Linn Co. to M. O. Weaver, Iowa Falls, improving Primary Project 488, 16,765 cu.yd. gravel 8 mi. haul, at $0.45, 228,899 units ½ mi. haul at $0.075 and 1,200 cu.yd. stripping at $0.25.

Ia., Charles City — Floyd Co., to A. Elkwald, Emmetsburg, improving County Road System, 900 ft. 8 in. tile drain at $0.20 per ft., 2,400 ft. 6 in. $0.12, and 4 intakes $15 each.

Ia., Emmetsburg — Palo Alto Co., to Brenton & Bauck, Emmetsburg, improving County Road System, 20,000 sta.yd. overhaul at $0.02 per yd., 15,000 cu.yd. excav. $0.25, 100 cu.yd. L. R. excav. $1, and 50

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cu.yd. S. R. excav. $15, etc.; to C. Olson, Emmetsburg, 13,000 ft. 6 in. tile drain $0.11.

Ia., Le Mars — Plymouth Co., to H. Pickus Constr. Co., Sioux City, improving County Road System, 32,560 cu.yd. gravel in place at $1.15 per cu.yd., 29,000 cu.yd. gravel, stripping $0.18, etc.; also to M. O. Weaver, Iowa Falls, 14,142 cu.yd. excav. $0.24, and 11,770 cu.yd. excav. $0.36, etc.

Ia., Marion — Linn Co., crushed stone surfacing 10,500 cu.yd. County Rd. System, to Falcon & Reinking, Cedar Rapids, at $2.445 per cu.yd., and 4,300 cu.yd. Twp. Rd. System, to Shaler & Albright, Cedar Rapids, $2.73; also graveling 7,300 cu.yd., etc., County Rd. System, to Moore & Eldridge, Clemons, $0.44, etc.

Ia., Primghar—O'Brien Co., to Van & Van, Hull, improving County Road System, 12,670 cu.yd. gravel first mile haul at $0.29 per cu.yd., 12,600 cu.yd. $0.34, 155,100 units gravel ½ mi. haul $0.065, 95,340 units $0.069, 10,920 units $0.07, 3,600 cu.yd. stripping pit $0.13, and 3,600 cu.yd. $0.15.

Ia., Spencer — Clay Co., to Holscher & Wahl, Victor, improving S-155, 9,100 cu.yd. gravel, 1st mile haul at $0.35 per cu.yd., 26,250 units gravel, ½ mile haul $0.07½, 2,400 cu.yd. gravel, extra from below water $0.07.

Ia., Waverly—Bremer Co., to C. E. Walker, Cedar Rapids, improving 6 mi. Primary Rd., 10 from Wapsie east, Primary Project 483, 105,268 cu.yd. excav. at $0.27 per cu.yd., 300 cu.yd. excav. $0.45, 250 cu.yd. loose rock surfacing $1.50, 7,870 sta. yd. overhaul $0.02, etc.

Minn., Duluth—P. G. Phillips, city comr., grading, concrete paving, etc., 10,778 sq.yd. 8th St., to Thornton Bros., 1363 Rayton Ave., St. Paul, $39,769.

Minn., Fergus Falls—W. Lincoln, aud., Otter Tail Co., improving County Job 28-01, State Aid Road 24, approximately 148,338 cu.yd. earth, 11,117 cu.yd. loose, and 2,159 cu.yd. solid rock excav., 179,473 cu.yd. overhaul, etc., to George J. Grant Constr. Co., 903 Exch. Bank Bldg., St. Paul, $53,717. Noted June 30.

Minn., Hastings—R. W. Downs, aud. Dakota Co., improving State Rd. 7, approximately 23,416 sq.yd. concrete paving, 13,535 ft. sloping curbing, etc., to Garrick Bros., 779 Portland Ave., St. Paul, $49,683. Noted June 30.

Minn., Mantorville—Dodge Co. **(S.A.R. means State Aid Road)**, graveling 3.56 mi. S.A.R. 2702-8, 12.33 mi. S.A.R. 2703-9, 3 mi. S.A.R. 2704-10, and 2.22 mi. S.A.R. 2705-3, to Klemme Constr. Co., Owatonna, $35,056.

Minn., Moorhead—Crushed rock concrete paving 11,000 sq.yd. streets in Dists. 19 and 20, to A. F. Johnson Co., 747 Plymouth Bldg., Minneapolis, $32,187 and $43,063 respectively. Noted July 7.

Kan., Abilene—Grading, etc., 14.491 mi. Kansas Project 82, to Wyland Lattin & Yard, Osborne, $61,374; also 5 bridges on same road to A. J. Rhodes, Manhattan, $15,888. Noted July 7.

Kan., Smith Center—Smith Co., grading and 2 bridges on 0.218 mi. Federal Aid Project 364-B, 30 ft., to P. Shivvers, Scandia, $25,230. Noted June 16.

Kan., Wichita — Concrete paving 2,103 sq.yd. Ash St., also 12,178 sq.yd. Elm, Fountain, Hydraulic, Ida, Orchard and Yale Sts., to E. P. Reagor, Augusta, at $1.76 and $1.66 per sq.yd. respectively; asphaltic concrete paving 18,532 sq.yd. Brooks, Douglas, 1st, Mildred, 3rd and Vassar Sts., to H. T. Ritchie, Box 831, Wichita, $2.39 sq.yd.; brick paving 1,653 sq.yd. Mosely St., to Globe Constr. Co., 1069 North Water St., $3.50.

Kan., Winfield—Cowley Co., concrete paving 3.275 mi. Federal Aid Project 231-G, also one 40 ft. deck girder span and two 16 ft. slab spans to M. R. Amerman, Wichita, $98,839 and $7,336, respectively; also bridge 2 to Livingston Constr. Co., $2,627. Grand Total $108,802. Noted June 23.

Nebraska—State Hy. Comn., Lincoln, graveling 16.5 mi. Shelby-Columbus Rd., Federal Aid Project 86, Butler and Polk Counties, to Sokol Bros., Duncan $25,136.

Neb., Valentine—Cherry Co., grading Federal Aid Project 202-G, to Roberts Constr. Co., 1st Natl. Bank Bldg., Lincoln $34,160.

N. D., Minot—Paving approximately 8 blocks 4th Ave., to Hanlon & Okes, 1501 Merchants Natl. Bank Bldg., St. Paul, Minn., $31,000.

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Wyoming—State Hy. Comn., Cheyenne, **(F.A.P. means Federal Aid Project)** grading, etc. 264,800 cu.yd. Cheyenne-Torrington Rd., F.A.P. 167-B, to Coad & Peterson $51,931, 206,100 cu.yd. Rawlins-Red Desert Rd., F.A.P. 191-B, and placing 27,200 tons gravel on Kemmerer-Granger Rd., F.A.P. 188-A, to Monahan & Cunningham Constr. Co., Railroad Bldg., Denver, Colo. $58,285 and $26,930 respectively. Grand total $136,668.

Mont., Hamilton—Concrete paving 15,600 sq.yd. various streets, to J. Sten, Hamilton, $48,495. Noted Apr. 28.

Mo., Albany—C. E. Gibbany, city clk., City Hall, 6 in. rein.-con. paving, etc. 7 blocks Daniel St. between College Ave. and Smith St., 24 ft.; and 2 blocks Polk St. between Wood and South Sts., 40 ft. to M. W. Watson, 501 Mulvane Bldg., Topeka, Kan., approximately $26,000. Noted June 20.

Mo., Kansas City—Asphaltic concrete paving, etc., 7,276 sq.yd. 16th St. to G. G. Roudebuch, 2739 North 11th St., Kansas City, Kan. $33,397.

Mo., Kansas City—Petroleum asphalt paving, etc. Main St. between 12th and 20th Sts., to Midwest Paving Co., Valentine and Bway. Sts., $43,882.

Tex., Brownsville—Cameron Co., grading and bridging Parades Line, Buena Vista, Old Point Vista and 4 other roads, to L. G. Nichols, Harlingen, $65,227. Engrs. est. $70,000.

Tex., Clairmont — Kent Co., grading, bridging, etc. 18.977 mi. Highway 84, to G. F. Davis, Moran, $59,389.

Tex., Fairfield—Freestone Co., rein.-con. paving 6.59 mi. Highway 7, 18 ft. to F. P. McElwrath, Corsicana, $189,777.

Tex., Ft. Worth—Paving 8th Ave., Townsend Dr., Haynes, Ive, White, Pine and West Annie-Cooper Sts., to West Texas Constr. Co., Cotton Exch. Bldg., $95,125, engrs. est. $95,125; also Belle Pl. Stanley and Harley Aves., West 5th St., Washburn, and Ryan Place Dr. to Standard Paving Co., Majestic Bldg., $89,883, engrs. est. $90,000.

Tex., Laredo—Webb Co. rein.-con. paving 10.781 mi. Highway 12-A, Federal Aid Project 436-A, 18 ft. to H. B. Zachary, Laredo, $259,922. Engrs. est. $285,000.

Tex., Plainview—Paving 21 blocks various streets, to J. N. Jordon, of Jordon Constr. Co., Plainview, $120,000.

Tex., Waco — Concrete paving 15,000 sq.yd. various streets, to Standard Paving Co., Waco, at $2.58 per sq.yd.

Okla., Britton—Grading and graveling 10 blocks streets in Dists. 4, 5 and 6, to Hamilton, Pauls Valley, $27,366. Engrs. est. $29,482.

Okla., Watonga—Grading, curbing and concrete paving 8,610 sq.yd. Main St., in Dist. 2, to Connelly Bros., El Reno, $24,107. Engrs. est. $26,770.

N. M., Clovis—For 1.5 in. warrenite on 3 in. asphalt concrete paving, etc. approximately 84,750 yd. various streets, to New Mexico Constr. Co., Alberquerque, $283,945. Engrs. est. $283,995.

Idaho—J. D. Wood, comr. Pub. Wks., Boise, grading, etc. 2.206 mi. Sawtooth Park Highway, Custer Co., to Western Constr. Co., Dillon, Mont., $21,175; and gravel surfacing 21.33 mi. Lost River Highway, Federal Aid Project 117-A, between Bingham Co. line and Junction 7 mi. east of Arco, to W. Hoops, Mt. Pleasant, Utah, $51,669. Noted July 7.

Nevada—State Hy. Comn., Carson City, constructing 4.96 mi. Connors Pass Sect. White Pine Rd., Federal Aid Project 7-B-2, Contr. 162, White Pine Co., to Wheelwright Constr. Co., Ogden, Utah, $55,399, and 15.74 mi. Stonehouse-Pony Springs Rd., Federal Aid Project 94-E, 7-D-3, Lincoln Co., to J. N. Tedford, Fallon, $106,399; also corrugated metal culverts on Federal Aid Project 107-a, White Pine Co., to Calif. Corrugated Culvert Co., West Berkeley, Calif., $1,452. Grand total $163,250. Noted July 7.

Arizona—State Hy. Comn., Carson City, grading and surfacing 15,008 cu.yd. Globe-Safford Highway, Federal Aid Project 87-A, to Ken Hodgman, Yuma, $303,311, incl. 10% engineering and contingencies. Noted July 7.

Wash., Bellingham—Comrs. Whatcom Co., grading and graveling 1.75 mi. Lake Whatcom Highway to Casteen & Dorsey, Bellingham, $25,263. Engrs. est. $25,000.

Wash., Tacoma—Paving North Central Dist., to Anderson & Liljebeck, Tacoma, $105,828.

Oregon—State Hy. Comn., Salem, grading, graveling, etc. 3 mi. Anna Springs Run Rock Highway, Klamath Co., to Dunn & Baker, Klamath Falls, $80,060.

Calif., Berkeley—E. M. Hann, city clk., grading and 7 in. concrete paving, etc. 226,450 sq.ft. Euclid Ave., to Oakland Paving Co., 5000 Bway., Oakland, approximately $139,250. Noted Dec. 2.

Calif., Hawthorne — Improving Massachusetts Ave., to G. H. Oswald, 366 East 58th St., Los Angeles, $39,299.

Calif., Los Angeles—Bd. Supervs. Los Angeles Co., to E. Johnson & Sons, 4183 Normandie Ave., improving Snowden and Esperanza Rd., 575,971 sq.ft. 2 in. sheet asphalt paving at $0.10 per sq.ft., 575,971 sq.ft. asphaltic concrete paving $0.14, 22,305 sq.ft. 8 in. concrete paving $0.35 etc., total $277,807. Engrs. est. $287,486. Noted June 30.

Calif., Los Angeles—Supervs. Los Angeles Co. improving San Gabriel Canyon and Arroyo Seco Highway, to A. J. and J. L. Fairbanks, Inc., South San Francisco $77,920, Norbonne Ave., to G. R. Curtis Paving Co., 3440 East 26th St., Los Angeles $46,455, and Long Beach Blvd., to North Pacific Constr. Co., 144 Larchmont Blvd., $407,571; curbing, guttering, walks, etc. Fir St., Impvt. 523, to Pierson & Morris, 4130 Verona St., $41,910; also grading, curbing, guttering and concrete paving 96th St., etc., to C. D. Soteras, 4533 Pickford St., $29,260. Grand total $603,116.

Calif., Los Angeles—Grading, etc. 25,000 cu.yd. Riverside Dr., to deWaard & Son, Western Mutual Life Bldg., approximately $67,500.

Calif., Los Angeles—For improving Riverside Dr., **(e. e. means engrs. estimate)** to de Waard & Son, 518 Western Mutual Life Bldg., $67,390, 7th St. (Garland and Alvarado), to Los Angeles Electric Works, 1128 South Los Angeles St., $38,486 e.e. $40,873, Kilkea Dr., to W. Liddington, 420 East 60th St., $25,354 e.e. $27,437, 98th St., to G. H. Oswald, 366 East 58th St., $57,790 e.e. $63,040, Hauser Ave., to R. A. Wattson, 1026 North McCadden Pl., $180,516 e.e. $181,597. Grand total $369,536.

Calif., Marysville—W. Strief, clk. Yuba Co., concrete paving, etc. Feather River Blvd., to C. W. Wood, Manteca, $94,740, and 2½ in. Warrenite paving, etc. Hammonton Rd., from Arnold Bean Pl. to O'Brien Corner, to Warren Constr. Co., Poplar and 28th Sts., Otkland, $58,098. Noted June 30.

Calif., Tulare—For Willite paving, etc., Inyo and O Sts., to Valley Paving & Constr. Co., Visalia, $37,495.

Calif., Vallejo—For 6 in. concrete paving, etc. Napa Rd. between Tennessee and Louisiana Sts., to J. E. Johnston, Weber and E Sts., Stockton, $31,455.

Ontario—Dept. Pub. Highways, Parliament Bldgs., Toronto, concrete paving 5.2 mi. road from Bewdley south, Contr. 27-15, to G. F. Little, Dundas St., Trenton; and tar bound macadam paving road from point 24 mi. north of Brockville, Contr. 27-73, to S. D. Code, Smith Falls. Engrs. est. $250,000.

Ont., Bothwell—Kent Co., sheet asphalt paving, curbing, guttering, etc. Main St., to Merlo, Merlo & Ray, Ford City. Engrs. est. $45,000. Noted Mar. 3.

Calif., San Carlos—To Robin Constr. Co., 25 Taylor St., San Francisco, improving streets in White Oaks Sub-division, 30,000 cu.yd. grading at $0.52 per cu.yd., 383,000 sq.ft. 4 in. waterbound macadam paving $0.105, 297,000 sq.ft. 5 in. $0.115, etc., total $105,900.

Calif., San Diego — Common Council, grading, curbing and 5 in. concrete paving, etc. Orange Ave., etc., to D. H. Ryan, 1615 Fern St., $29,776.

Calif., San Rafael—Marin Co., 5 in. asphalt paving, etc. Lucas Valley Rd., and 7-5-7 in. asphalt paving Tomales Rd. east to County Line Rd., to Pacific States Constr. Co., Call Bldg., San Francisco, $16,877 and $98,396 respectively; also concrete paving Novato-Hicks Rd., to Conners, Hansen & Ede, Rosenberg Bldg., Santa Rosa, $99,090.

Ont., Carleton Place—Lanark Co., bituminous paving 7,400 sq.yd. various streets, to Standard Paving Co., Ltd., Central Chambers, Ottawa. Engrs. est. $35,000. Noted June 23.

Ont., Chippewa—Sheet asphalt on concrete paving approximately 7,500 sq.yd. various streets, to Brennan Paving Co. Ltd., 400 Gage Ave. N., Hamilton, $31,370. Engrs. est. $35,000.

Ont., Hamilton—City will curb, gutter and pave with asphalt on concrete approximately 12,000 sq.yd. Wellington St. N., by day labor. $57,445. W. L. McFaul, City Hall, engr.

Streets and Roads (Continued)

Ont., Harrow—W. P. Coyle, clk. Essex Co., Sandwich, grading and concrete paving 2 mi. roads, 18-20 ft., to Premier Constr. Co., Ltd., 924 Windsor St., Windsor. Engrs. est. $45,000. Noted June 9.

Ont., Lindsay—Council Victoria Co., asphaltic macadam, paving 1¼ mi. Road, 20 ft., to Standard Paving Co. Ltd., Central Chambers, Ottawa. Engrs. est. $30,000.

Ont., Mimico—Grading, curbing, guttering and sheet asphalt on concrete paving approximately 16,000 sq.yd various streets, to Lowes Constr. Co., Mimico. $55,943. graveling 16.5 mi. Shelby-Columbus Rd., system, and extending same.

Ont., St. Catherines—Suburban Roads Comn., concrete paving 6 mi. Merritville Rd., to Grant Contg. Co., 47 Wellington St. E., Toronto. Engrs. est. $150,000. Noted July 7.

Ont., Sound—City Council, asphalt paving 16,000 sq.yd. various streets to Warren Bituminous Paving Co., 54 University Ave., Toronto. $61,281. Noted June 30.

Ont., Teeswater—Plans waterworks, including, c.i. mains, pumping system, pump house, reservoir, etc. $35,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

Ont., Toronto—To Godson Contg. Co., 203 Richmond St. W., asphalt paving Hagar Ave. $4,224, and Simcoe St. $7,573; to Constructing & Paving Co., 17 Queens St. E., Hillsdale Ave., $9,202; to L. P. Acri, 102 Markham St., concrete paving Lane 1st North Noble St. $1,951, Lane 1st North Ossington St. $4,092, and Lane 1st north of Shaw St. $1,705. Grand total $28,746. Noted June 9.

Ont., Toronto—Asphalt on concrete paving Colin Ave., to Constructing & Paving Co., Confederation Life Bldg., $3,104; Front St. and Pine Ave., to Dept. Pub. Wks., by day labor, $22,731 and $1,870 respectively. Grand total $27,705.

Ont., Welland—Welland Co., macadamizing 4 mi. roads, Sects. 1 and 2, 18 ft., to Law Constr. Co., Confederation Life Bldg., Toronto, $71,979. Engrs. est. $70,000.

Ont., Wiarton—Council Bruce Co. will pave with macadam ¾ mi. Division St., by day labor. $25,000. G. E. Stephenson, Walkerton, engr.

Ont., Windsor—Essex Co., rein.-con. paving 2 mi. roads in Rochester Twp., to Labute & Lanuel, Tecumseh Rd., Walkerville. Engrs. est. $45,000.

Que., Hull—Sheet asphalt paving various streets to Standard Paving Co., Ltd., Central Chambers, Elgin St., Ottawa, Ont., $86,300. Noted Apt. 21.

B. C., Point Grey—Grading and warrenite bitulithic on rock paving various streets, to General Constr. Co. Ltd., Vancouver Blk., Vancouver, $8,869; and 6 in. concrete paving, to Armstrong & Morrison, 543 Granville St., Vancouver, $37,593.

B. C., Vancouver—City, 6 in. concrete paving 10 blocks Grandview Highway, to Dawson Wade & Co., 500 Beatty St. $39,184, and various streets, to Hodgson, King & Marble, 626 Renders St. W., $16,932; warrenite bitulithic on rock paving Bway. West and Beach Aves., to Columbia Bitulithic, Ltd., 500 Beatty St., $36,454; also concrete curbing and sidewalks on various streets, to E. A. Anderson, 306 20th Ave. E., $35,333. Grand total $127,903.

Buildings—Commercial

Proposed Work

N. H., Nashua—THEATRE—Harrisey & Barry, c/o J. A. Tuck, archt., Park Sq. Bldg., Boston, Mass., having sketches made probably brick and steel theatre. To exceed $150,000.

Mass., Boston — GARAGE — Back Bay Hotels Garage, Inc., 260 Tremont St., had revised plans prepared by G. N. Meserve, 260 Tremont St., 38,000 sq.ft. floor space, rein.-con. and brick, caisson foundation, Columbus Ave. and Dartmouth St. $500,000.

Mass., Boston—OFFICE and STORE—Hemenway Estate, c/o Shepard & Stearns, archts., 65 Franklin St., having plans prepared altering and reconstructing 6 or 8 story and basement, brick and steel, plain foundation, 120 Newbury St. Archts est. $150,000 or more.

Mass., Lawrence—BANK—Bway. Savings Bank, 522 Essex St., having revised plans prepared by J. E. Allen, 283 Essex St., 1 and 2 story and basement, rein-con., brick and limestone, plain foundation, Essex and Hampshire Sts. $400,000. Noted May 23.

Mass., Newton (Ind br. Boston)—APARTMENT and STORE—A. T. Stuart, 62 Institution Ave., plans apartment and store, 1267 Centre St. $150,000 or more. Private plans.

Mass., Winchindon—BANK—First Natl. Bank, Z. White, pres., 74 Front St., plans bank, $150,000. Engineer and architect not selected.

R. I., East Providence (br. Providence)—STORE and OFFICE—R. Tortolani, 20 Bainbridge Ave., Providence, having sketches made by Page & Page, 87 Weybosset St., Providence, 3 or 4 story and basement, brick and stone, plain foundation, Waterman St. and Taunton Ave., here. $150,000 or more.

R. I., North Providence (mail Providence) MASONIC TEMPLE — Roger Williams Lodge 32, H. H. Wardell, chn., plans masonic temple, Steirs Ave. $150,000 or more. W. R. Walker & Son, 49 Weybosset St., Providence, archts.

R. I., Providence—GARAGE—J. Conn, 104 Broad St., having plans prepared rein.-con., brick and steel, Broad and Chestnut Sts. $150,000 or more. T. J. Hill Pierce, 375 Washington St., archt.

Conn., Torrington — HOSPITAL — Charlotte Hungerford Hospital, T. W. Bryant, chn. Building Com. having plans prepared by Crow, Lewis & Wick, 200 5th Ave., New York City, brick and steel addition, $500,000. Noted July 6.

N. Y., Rochester—APARTMENT—M. Rosenberg, 3 Pershing Dr., having plans prepared by Taylor, Homes & Converse, 311 Alexander St., 5 story and basement, brick and steel, Oxford St. $650,000.

N. Y., Rockville Center — HOSPITAL—Rockville Center Hospital Assn., Park Ave, having plans prepared by Hart & Shape, 247 Park Ave., New York City, 3 story, brick and steel, plain foundation, here. $250,000.

N. J., East Orange—APARTMENT—Kanter & Cohen, c/o L. Kasoff, archt., 164 Market St., Newark, having plans prepared 4 story and basement, 75 x 100 ft., brick and steel plain foundation, Glenwood Ave. and Essex St. $150,000.

N. J., East Orange—APARTMENT—Sharff & Koplowitz, 207 Market St., Newark, having plans prepared by L. Kasoff, 164 Market St., two 4 story, brick and steel, plain foundations, Arlington Ave. and North Elmwood St. $240,000.

N. J., East Orange—APARTMENT—D. Schneider, 250 Renner Ave., will not construct 4 story, brick and steel, plain foundation, 186-88 William St. $150,000. Project abandoned. Noted June 9.

N. J., East Orange—APARTMENT—Sharff & Koplowitz, 207 Market St., Newark, will not construct 4 story, 90 x 130 ft., brick and steel, plain foundation, North Arlington Ave. and Hamilton St. $150,000. Project abandoned. Noted June 23.

N. J., East Orange—CITY HALL—City takes bids about Aug. 15, general contract 3 story, brick and steel, plain foundation, North Arlington Ave. and New St. $200,000. Purdy & Henderson, 45 East 17th Sts., New York City, archts. J. H. and W. C. Ely, 748 Broad St., Newark, engrs. Noted Mar. 10.

N. J., Elizabeth—BANK—Downtown Trust Co., c/o Peoples Natl. Bank, 113 Broad St., having plans prepared by Oakley & Son, 1259 Clinton Pl., 1 story and basement, 75 x 100 ft., brick and steel, plain foundation, 3rd and East Jersey Sts. $150,000.

N. J., Elizabeth—HOSPITAL—L. V. Pohlman, archt., 80 Broad St., soon lets contract, general contract 3 story, 40 x 130 ft., brick and steel addition, plain foundation, 7th and East Jersey Sts., for Alexian Bros. Hospital, 7th and East Jersey Sts. $300,000. Noted May 26.

N. J., Hackensack—APARTMENT—A. Campangna, 200 West 172nd St., New York City, having plans prepared by R. Candela, 578 Madison Ave., New York City, 6 story, brick and steel, plain foundation, Summit Ave. and Clinton Pl., $350,000.

N. J., Irvington (br. Newark)—APARTMENT—N. S. Kopneck, 26 Wolcott Terrace, Newark, having plans prepared by R. Bottelli, 45 Branford Pl., Newark, 5 story, 60 x 190 ft., brick and steel, plain foundation, 20-38th St. $200.000.

N. J., Jersey City—CLUB HOUSE—Knights of Columbus 137, 441 Jersey Ave., plans brick and steel, plain foundation, clubhouse. $150,000. Engineer and architect not selected.

N. J., Jersey City—HOSPITAL—St. Francis Hospital, East Hamilton Pd:, soon takes bids general contract 5 story, 40x 150 ft., brick and steel, plain foundation, 9th and Erie Sts., $150,000. C. H. Ziegler, 75 Montgomery St., archt., Noted May 5. Steam heating, etc., to be installed.

N. J., Jersey City—THEATRE—Loew's Theatrical Enterprises, 1540 Bway., plans theatre, Journal Sq., here. $300,000. Engineer and architect not selected.

N. J., Leonia—APARTMENT—Gerdin Realty Corp., Broad Ave., having plans prepared 5 story and basement, brick and steel, plain foundation, Broad Ave. and Christie St. $150,000. Private plans. Steam heating, flooring, roofing, piping, etc.

N. J., Newark—APARTMENT—J. Leven, c/o Myers, Bigelow & Shanley, archts., 24 Walnut St., having plans prepared 4 story, 75 x 100 ft., brick and steel, plain foundation, 379-81 Sanford Ave. $150,000.

N. J., Newark—LOFT and STORES—Bloomingdale Bros., 59th St. and Lexington Ave., New York City, soon lets contract general contract altering 6 story, brick and steel, plain foundation, 69-71 Market St., here. $150,000. Starrett & Van Vleck, 393 7th Ave., New York City, archts. Noted July 21.

N. J., Newark—THEATRE—Graft Realty Co., 24 Commerce St., having sketches made by F. Grad, archt., 1023 Broad St., brick and steel, plain foundation, Lyons Ave. and Fabyan Pl. $150,000.

N. J., Newark—THEATRE—Stanley-Fabian Co., 17 Academy St., having preliminary sketches made by W. E. Lehman, 946 Bway., 3 story, brick and steel, plain foundation, Lyons Ave. and Clinton Pl. $150,000.

N. J., New Brunswick—OFFICE—A. Merchant, archt., 52 Patterson St., rejected bids 3 story and basement, brick and steel, plain foundation, Church St., here, for J. O'Connell, 392 George St. $150,000. Noted May 19.

N. J., Orange—SHOW ROOM and STORE—J. J. Lamb, archt., 318 Main St., takes bids about Aug. 10, general contract 2 story and basement, 110 x 155 ft., brick and steel, plain foundation, Main and Hillyer Sts., here, for A. K. Zotian, 147 Main St. $150,000. Noted Apr. 21.

N. J., Passaic—HOTEL and STORES—H. Stein, 201 Lexington Ave., having plans prepared brick and steel, plain foundation, 711-13 Main Ave. $150,000. Private plans.

N. J., Union—APARTMENT and STORES—F. A. Elsasser, archt., 845 Broad St., Newark, soon lets contract 3 story, brick and steel, plain foundation, Floyd Vallage Trades, here, for Union County Housing Corp. $150,000.

N. J., Ventnor (br. Atlantic City)—APARTMENT—T. J. Koury, c/o A. T. Amodio, Segal Bldg., Atlantic City, having plans prepared 7 story, brick and steel, plain foundation, Cornwall St. and Marsdon Ave. $250,000.

N. J., West Orange (br. Orange)—THEATRE, STORE and OFFICE—S. and K. Holding Co., 545 Bway., Bayonne, soon lets general contract 2 story, brick and steel, plain foundation, Valley Rd. near Freeman St. $150,000. Warren & Warren, 31 Clinton St., Newark, archts. Noted June 16.

Pa., Carbondale—HOSPITAL—St. Joseph Hospital, E. J. Healy, 15 North Main St., soon lets contract, 5 story and basement, 42 x 200 ft., rein.-con., brick and steel, plain foundation. J. A. McGlynn, Simon Long Bldg., Wilkes-Barre, archt. Noted June 9.

Pa., Eddystone—OFFICE—Baldwin Locomotive Wks., S. M. Vauclain, pres., 500 North Broad St., Phila., having plans prepared by Simon & Simon, 249 South Juniper St., Phila., 8 story and basement, 150 x 200 ft., rein.-con., brick and steel, plain foundation, near Baldwin Station.

Pa., Phila.—APARTMENT—J. E. Fox, Emlen St. and Lincoln Dr., having plans prepared by E. L. Rothschild, Bankers Trust Bldg., 4 story and basement, 117 x 175 ft., brick and steel, plain foundation, 5220 Wayne Ave. $500,000.

Pa., Phila. — HOSPITAL—Children's Heart Hospital, c/o R. Benckert, archt., Bellevue Ct. Bldg., having plans prepared (1st unit) hospital on 663 x 796 ft. site, Conshohocken St. and Windemere Ave. $125,000. Total $600,000.

Pa., Phila.—LOFT—C. E. Oehlsloyer, archt., 1615 Walnut St., soon lets contract sub bids, 15 story and basement, 100 x 112 ft., rein.-con., brick and terra cotta, plain foundation, 13th and Race Sts., for B. Sagel,

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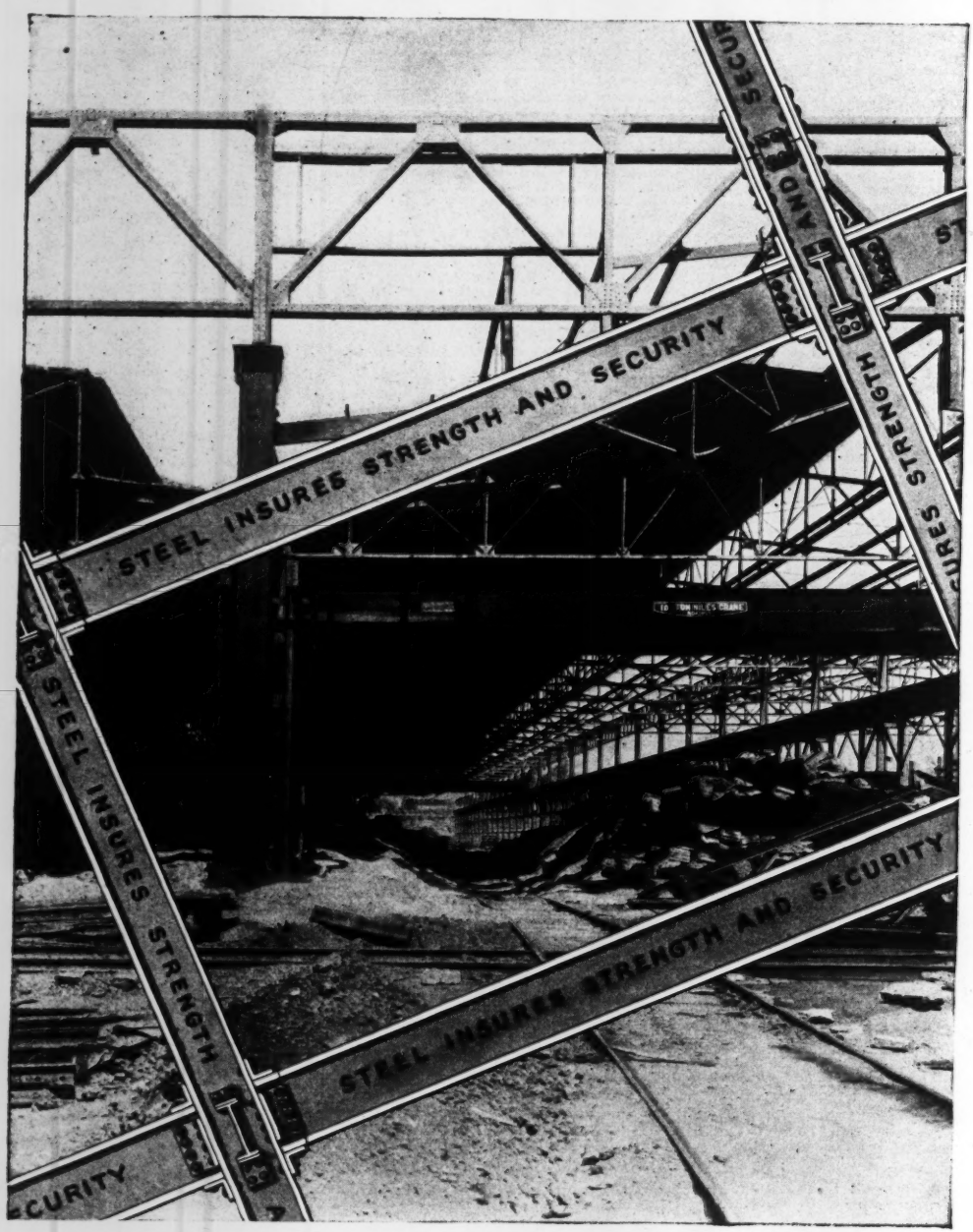

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Buildings—Commercial (Continued)

Penn Bldg. $1,125,000. Scotch marine boilers, elevators, kal and fire doors, etc.

Pa., Phila.—Y. M. C. A., 1425 Arch St., having plans prepared by L. E. Jollardi, 115 East 42nd St., New York City, 27 story and basement, 85 x 110 ft., rein.-con., brick and steel, plain foundation, 15th and Cherry Sts. $1,500,000.

Md., Baltimore—OFFICE—U. S. Fidelity & Guaranty Co., Calvert and Redwood Sts., plans 5 story steel and stone addition, plain foundation. Wyatt & Nolting, Keyser Bldg., archts.

Ga., Bainbridge — TEMPLE — Masonic Temple Assn., A. H. Mills, chn., having plans prepared by W. H. Hwilecki, Bainbridge, 5 story and basement, 80 x 100 ft., steel and brick temple. $150,000.

O., Cincinnati—APARTMENT—Jefferson Corp., 1010 Schmidt Bldg., having plans prepared by Fechheimer & Ihorst, 1010 Schmidt Bldg., 3 story and basement, 100 x 180 ft., brick and rein.-con., plain foundation, Rockdale St. $150,000.

O., Cincinnati—Y.M.C.A. Elm St. having plans prepared by C. F. Cellarius, St. Paul Bldg., 4 story and basement, brick and rein.-con., plain foundation, McMillan St. $300,000.

O Cleveland — APARTMENT — M. F. Narosny, 12409 Brackland Ave., had plans prepared by L. Skolnik, Auditorium Bldg., 3 story and basement, 76 x 97 ft., brick, 12401 Brackland Ave. $150,000.

O., Cleveland — APARTMENT — H. L. Haines Co., 12381 Cedar Rd., Cleveland Heights, had plans prepared by R. H. Hinsdale, Erie Bldg., 3 story and basement, 37 x 117 ft., brick, 2103 Cornell Rd. $175,000.

O., Cleveland—STORE—A. Carlin, c/o Hotel Euclid, East 14th St. and Euclid Ave., having plans prepared, 3 story and basement, 34 x 126 ft., brick, Euclid Ave. near East 22nd St. $150,000. Walker & Weeks, 2341 Carnegie Ave., archts.

O., Lakewood (br. Cleveland)—APARTMENT—P. F. Price, 12719 St. Clair Ave., Cleveland, takes bids about Aug. 5, 4 story and basement, 140 x 250 ft., brick, West Clifton Blvd., here, $350,000. Allen-Osborn Co., Rose Bldg., Cleveland, archts. Noted June 16.

O., Marion—THEATRE—E. E. Bender, Massillon Rd., and S. Bernstein, et al, Canton, having plans prepared by J. Eberson, 212 East Superior St., Chicago, Ill., for 120 x 150 ft. theatre, Center St., here. $500,000.

O., Middletown—THEATRE—Owner, c/o D. Graham, archt., 1126 Hume Mansur Bldg., Indianapolis, having plans prepared 3 story and basement, 78 x 209 ft., brick and rein.-con., here. $350,000.

Ill., Chicago—APARTMENT—Cable & Spitz, archts., 220 South State St., soon take bids 3 story and English basement, 147 x 156 ft., brick and stone, 4730-44 North Kenneth Ave. $320,000. Owners name withheld.

Ill., Granite City—MAUSOLEUM—Sunset Hill Trust Estate, 1202 Niedringhaus Ave., having preliminary plans prepared by S. Lovell, 224 East Ontario Ave., Chicago, rein.-con., brick and marble, in Sunset Hill Cemetery, near here. $250,000.

Wis., Milwaukee — STORAGE — Cookley Gas & Electric Co. having plans prepared by Eschweiler & Eschweiler, 210 Mason St., 8 story and basement, 74 x 150 ft., rein.-con. and brick, plain foundation, Wisconsin Ave. $175,000.

Wis., Wausau—CLUB—Y.W.C.A., A. C. Blanden, secy., plans 4 story, rein.-con., brick and steel, plain foundation, here. $150,000. Engineer and architect not selected. Steam heating, etc.

Ia., Sioux City—SERVICE—Sioux City & Electric Co. having plans prepared by U. G. J. Contg. Co., 1401 Arch St., Phila., Pa., 2 story and basement, 150 x 180 ft., brick, concrete and rein.-con., plain foundation. $200,000.

Mo., Clayton—HOSPITAL—St. Louis Co., election soon $1,500,000 bonds, county hospital, here. R. Jablonsky, Court House, engr.

Mo., Clayton—JAIL—St. Louis Co., election soon $500,000 bonds, county jail. R. Jablonsky, Court House, engr.

Mo., Columbia—CITY HALL—City having plans prepared by Eckel & Aldrich, St. Joseph, and Bill & Traber, Columbia, 3 story and basement, rein.-con., brick and stone, 6th St. and Bway. $300,000. Noted Aug. 12.

Mo., Poplar Bluff—COURT HOUSE—Butler Co., plans election $300,000 bonds, court house. Noted June 9.

Mo., Springfield — MEDICAL ARTS — Doctors of Springfield, c/o Heckenlively & March, archts., 642 Landers Bldg., having plans prepared 2 story and basement, 73 x 110 ft., rein.-con., brick, terra cotta and stone medical arts building. $200,000. Noted May 5.

Mo., St. Louis—BANK, STORE and OFFICE—Lindell Trust Co., C. H. Peters, pres., 2745 North Grand Blvd., having preliminary plans prepared by Wedemeyer & Nelson, 824 Wainwright Bldg., 6 story and basement, 75 x 122 ft., rein.-con., brick, terra cotta and Bedford stone, Grand Blvd. and St. Louis Ave.

Mo., St. Louis—HOTEL and STORE—M. Smith, c/o L. H. Williams Mortgage Co., Arcade Bldg., having preliminary plans prepared 3 story and basement, 85 x 95 ft., rein.-con., brick and terra cotta, Franklin Ave. and 6th St. $150,000. Private plans.

Tex., Barreda—HOTEL—Lasby & Crawford, San Benito, soon take bids 3 or 4 story hotel. $150,000. Engineer and architect not selected.

Tex., Brownsville—THEATRE—J. M. Nix, c/o Lanier Hotel, San Antonio, plans 3 story, rein.-con., brick, tile and stucco, plain foundation. $250,000. Private plans.

Tex., Caldwell—COURTHOUSE and JAIL—Burleson Co. having preliminary plans prepared 3 story and basement, 57 x 113 ft., rein.-con. and brick, plain foundation. $150,000 bond election soon for same. Address G. W. Grant, Caldwell co. judge.

Tex., Eastland—COURTHOUSE—Eastland Co. voted $300,000 bonds, 5 story and basement, rein.-con., brick and stone courthouse. E. S. Pritchard, Eastland, co. judge.

Tex., Houston—BANK—Houston Natl. Bank having plans prepared by Hedrick & Gottlieb, Post-Dispatch Bldg., 3 story and basement, 105 x 115 ft. bank, Franklin and Main Sts. $700,000.

Tex., La Feria—HOTEL, THEATRE etc.—F. Rabb having preliminary plans prepared by P. G. Silver & Co., 332 Bedell Bldg., San Antonio, Laguna Maria Louisa Land Development, incl. hotel, theatre, dance and convention hall $150,000, and rein.-con. swimming pool $50,000, all above approximately 3 mi. from here.

Tex., San Angelo—HOTEL—Owner, c/o C. C. McBurnett (lessee), plans 5 story and basement, 150 x 200 ft., rein.-con. and brick, plain foundation, incl. coffee shop, dining room, garage, etc. $375,000. Private plans.

Tex., San Antonio — HOME — Salvation Army, Ave. E, having plans prepared by A. B. and R. M. Ayres, 626 Bedell Bldg., and takes bids about Aug. 1, 6 story and part basement, 48 x 120 ft., rein.-con., brick and tile, plain foundation, Presa and College Sts. $150,000.

Tex., San Antonio—STORE and OFFICE—C. M. Stephan, c/o The Vogue, M. & L. Kaufman, having preliminary plans prepared store and office building, Travis and Jefferson Sts. $500,000.

Tex., Temple—HOTEL—A. C. Scott, Sr. and associates having plans prepared by R. L. Walling, 803 Searbrough Bldg., Austin, 12 story, 110 x 150 ft., rein.-con., brick, steel and stone, Main St. and Barton Ave. $350,000. Noted July 21.

Tex., Waco—BUSINESS—G. O. Jones & associates, 112 South Martin St. Little Rock, Ark., plans 5 story, 150 x 175 ft., rein.-con., brick and steel, plain foundation, 23rd and Mary Sts. $175,000.

Okla., Muskogee — COURT HOUSE—Muskogee Co. voted $350,000 bonds new court house. Noted Nov. 26.

Wash., Seattle—OFFICE and STORE—C. W. Voorhees, archt., Lloyd Bldg., takes bids about Sept. 11, 10 story and basement, 60 x 120 ft., steel, concrete and terra cotta, 6th and Olive Sts., for J. R. Moore, 902 2nd Ave. $400,000.

Ore., Eugene—THEATRE—Heilig Theatres, C. W. McKee, mgr., plans 1½ story, 80 x 160 ft. theatre. To exceed $150,000. Engineer and architect not selected.

Ore., Klamath Falls—THEATRE—G. McPherson, archt., Klamath Falls, preparing plans and takes bids about Aug. 15, theatre, for G. W. McCullom, Klamath Falls, $200,000.

Calif., Balboa—CLUB—Irvine Beach & Country Club, c/o N. W. Alpaugh, Inc., archts., 2404 West 7th St., Los Angeles, having plans prepared brick, incl. two 42 x 100 ft. swimming pools, and two 15 x 70 ft. childrens pools, etc. $350,000.

Calif., Berkeley — HOTEL — Berkeley Hotel Corp., c/o W. H. Weeks, archt., 369 Pine St., San Francisco, having plans prepared 6 story and basement, 100 room, brick or rein.-con., Durant and Bowdich Sts. $500,000.

Calif., Glendale—HOTEL—L. A. Zeigler Co., 6001 Santa Monica Blvd., plans 5 story and basement, fireproof, Orange and Harvard Sts. $150,000.

Calif., Long Beach—HOSPITAL—Sisters of Charity of Incarnate Word, c/o I. E. Loveless, archt., Commonwealth Bldg., San Diego, having plans prepared 4 story and basement, brick and rein.-con., 10th St. and Linden Ave. $500,000.

Calif., Los Angeles — APARTMENT — Cramer & Wise, archts., I. W. Hellman Bldg., preparing preliminary plans 4 story and basement, 55 x 185 ft., brick, 5th St. $150,000. Owners name withheld.

Calif., Los Angeles—APARTMENT—T. J. Scott, archt., 5212 Wilshire Blvd., prepared preliminary plans 3 story and basement, 160 x 230 ft., steel, Lake St. near 1st St. $175,000. Owner's name withheld.

Calif., Los Angeles—HOTEL—M. L. Garrigus, 956 Ridgewood Pl., had plans prepared by L. L. Jones, Douglas Bldg., 6 story and basement, 98 x 103 ft., rein.-con., Santa Monica Blvd. and Western Ave. To exceed $150,000.

Calif., Los Angeles—HOTEL and STORE—M. L. Carrigus, 956 Ridgewood Pl., having plans prepared by L. L. Jones, Douglas Bldg., 6 story and basement, 98 x 105 ft., rein.-con., Santa Monica Blvd.

Calif., Los Angeles—SANITARIUM—Los Angeles Co. having plans prepared by K. W. Muck, 3200 Highland Blvd., semi-proof, Olive View. $175,000.

Calif., Los Angeles—STORE and LOFT—P. A. Behannesey, Western Ave. and Virginia St., having plans prepared by C. R. Spink, 5878 Hollywood Blvd., 8 story and basement, 70 x 100 ft., rein.-con., North Western Ave.

Calif., Los Angeles—STORAGE—Bekin Van & Storage Co., Otis and Mission Sts., San Francisco, having plans prepared by F. E. Barton, Crocker Bldg., San Francisco, 8 story, rein.-con., Pico Blvd. $250,000.

Calif., Modesto—HOSPITAL—Stanislaus Co. having plans prepared by R. G. de Lappe & V. Oglow, 1710 Franklin St., Oakland, 15 fireproof buildings, for hospital. To exceed $150,000. F. B. Plant, 1710 Franklin St., Oakland, engr.

Calif., Riverside—THEATRE, STORE and APARTMENT—El Camino Holding Corp., c/o M. E. Durfee, archt., Commercial Exch. Bldg., Los Angeles, having plans prepared 2 story, 132 x 196 ft., rein.-con., 7th and Market Sts. $275,000.

Calif., San Clemente—CLUB—O. Hanson, Sun Finance Bldg., Los Angeles, had plans prepared by V. Westbrook, San Clemente, 1 story, 27 x 158 ft. club, incl. 45 x 105 ft. swimming pool, rein.-con. construction.

Ont., Kitchener—MAUSOLEUM—Canada Mausoleums Ltd., Metropolitan Bldg., Toronto, having plans prepared by Cameron & Ralston, Bartlett Bldg., Windsor, marble, bronze and steel mausoleum, Woodlawn Cemetery. $100,000.

Ont., Oshawa — APARTMENT — H. E. Davidson, 36 Toronto St., Toronto, having plans prepared by H. J. Chawn, 20 Wayland Ave., Toronto, 3 story and basement, rein.-con., brick and steel, plain foundation, Simcoe St. N., here. $150,000.

Ont., Oshawa—APARTMENT—L. V. Disney Blk., plans 3 story and basement, brick, stone and tile, plain foundation. $200,000. Private plans.

Ont., Sandwich—CLUB HOUSE—Order of Elks, c/o H. I. Wiley, doctor, Capitol Theatre Bldg., Windsor, having plans prepared by B. Dore & C. H. Crane, Huron Bldg., Detroit, Mich., 7 and 11 story and basement, rein.-con., brick and steel, plain foundation, incl. banquet hall, restaurant, swimming pool, etc., Park Pl. and Sandwich St., here. $750,000.

Ont., Toronto — APARTMENT — Price Constr. Co., J. T. Benor & W. A. Price, 375 Bay St., had plans prepared 4 story and basement, 100 x 165 ft., rein.-con., brick and steel, plain foundation, Sultan and St. Thomas Sts. $300,000. K. Hyslop, 43 Adelaide St. W., archt.

Ont., Toronto — APARTMENT — E. R. Hoare, 53 Dundurn Ave., having plans prepared 3 story and basement, rein.-con., brick and steel, plain foundation, St. Clair Ave. $160,000. Private plans.

Ont., Toronto — APARTMENT — F. M. Johnston, 52 Victor Ave., having plans prepared by Baldwin & Greene, 31 Bloor St. E., 3 story and basement, 66 x 132 ft., rein. brick and steel, plain foundation, Pretoria Ave. $150,000.

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Buildings—Commercial (Continued)

Ont., Toronto — APARTMENT — High Park Mansions, c/o V. L. Morgan, archt., 317 St. Clements Ave., having plans prepared 3 story and basement, 100 x 168 ft., rein.-con., brick and steel plain foundation, Bloor St. W. and Parkview Ave., $250,000. Steam heating, plumbing, painting, tar and gravel roofing, flooring.

Ont., Toronto—APARTMENT and STORE —W. Moad, 50 Glenview Ave., having plans prepared by D. B. Burnham, 260 Lauder Ave., concrete and brick, Roehampton and Bway. Aves. $250,000.

Ont., Toronto — APARTMENT — Lancaster Bros., 767 Yonge St., had plans prepared by J. Armstrong, 767 Yonge St., 3 story and basement, rein.-con., brick and steel, plain foundation, Isabella St. $200,000.

Ont., Toronto—APARTMENT—Steiner & Levine, 47 Beverly St., soon takes bids 3 story and basement, rein.-con., brick and steel, plain foundation, Bloor St. W., and Kennedy Ave. $150,000. Kaplan & Sprachman, 305 Dundas St. W., archts.

Ont., Toronto — MAUSOLEUM — Park Lawn Mausoleum Co., 2222 Dundas St. W., having plans prepared by J. A. Elles, 189 Church St., concrete stone and brick mausoleum, plain foundation, Park Lawn Cemetery. $200,000.

Ont., Toronto—STUDIO and GARAGE— E. L. Ruddy Co. Ltd., 317 Spadina Ave., had plans prepared by Ewart, Armer & Byam, archts., 36 Toronto St., 2 or 3 story and basement, 43 x 143 ft., rein.-con., brick and steel, plain foundation. $150,000.

Bids Desired

N. H., Nashua — THEATRE — Harris & Barry, c/o J. A. Tuck, archt., Park Sq. Bldg., Boston, Mass., taking bids 1 story and basement, 70 x 150 ft., brick and steel, plain foundation. To exceed $150,000.

Mass., Attleboro—HOME CLUBHOUSE and STORE—Aug. 9, by B.P.O.E. No. 1014, c/o O'Malley & Fitzsimmons, archts., Fanning Block, Pawtucket, R. I., 2 story and basement, brick and stone, plain foundation, Winter St., $150,000-$175,000. Noted July 6.

Mass., Dorchester (br. Boston)—HOSPITAL—Aug. 17, by Boston Home for Incurables, E. H. Harding, pres. 2049 Dorchester Ave., 2 story and basement, brick and stone, plain foundation, Dorchester Ave. and Codman Sts. $250,000. Kendall, Taylor & Co., 142 Berkley St., Boston, archts. Noted July 28.

Mass., Lowell—THEATRE—See "Contracts Awarded."

Mass., Stoneham — BANK — Stoneham Five Cent Savings Bank, H. W. Parker, 375 Main St., taking bids 1 story and basement, irregular shaped, rein.-con., brick and steel, plain foundation, Main St. $150,000. Hutchins & French, 11 Beacon St., Boston, archts.

R. I. Cranston—HOSPITAL—State G. T. Gordon, taking bids 2 story and basement, brick addition, plain foundation, $150,000. G. F. Hall, Union Trust Bldg., Providence, archt.

Mass., Quincy (Boston P. O.)—APARTMENT—See "Contracts Awarded."

Conn., Stamford—APARTMENT—Aug. 6, by S. Silberman, 77 Glenbrook Rd. 3 story, brick and steel, Glenbrook Rd. $150,000. W. Schmitz, 175 Greenwich Ave., archt. Noted July 28.

Conn., Stratford (Ind. br. Bridgeport)—TEMPLE—Aug. 8, by Masonic Temple Assn., Main St., 3 story and basement, brick and steel, Main St. $150,000. C. W. Walker, 1115 Main St., Bridgeport, archt. Noted July 28.

N. Y., New York — APARTMENT — See "Contracts Awarded."

N. J., East Orange—APARTMENT—See "Contracts Awarded."

N. J., Newark — APARTMENT — See "Contracts Award."

N. J., Plainfield—APARTMENT—Paul Constr. Co., 31 Clinton St., Newark, taking bids 4 story, 90 x 150 ft., brick and steel, plain foundation, West 7th and Liberty Sts. $400,000. Warren & Warren, 31 Clinton St., Newark, archts. S. Shaw & Co., 24 Commerce St., Newark, structural engr.

N. J., Rutherford—APARTMENT—See "Contracts Awarded."

Pa., Phila—APARTMENT—Aug. 5, by H. Pearl, 625 East 63rd St., 4 story and basement, 40 x 118 ft., brick and steel, plain foundation, 10th and Clinton Sts. $150,000. Private plans.

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Pa., Phila.—APARTMENT—See "Contracts Awarded."

Pa., Phila.—GARAGE—Aug. 10, by Ballinger Co., archts., 12th and Chestnut Sts., 2 story, 120 x 220 ft., rein.-con. and brick addition, 23rd and Ludlow Sts., plain foundation, for Auto Club of Philadelphia, 22rd and Ludlow Sts.

Md., Baltimore—OFFICE—Aug. 17, by C. N. and N. Friz, archts., Lexington Bldg., 2½ story, 71 x 111 ft., brick, stone and steel, Holliday and Fayette Sts., for Central Fire Insurance Co., Holliday and Baltimore Sts. $225,000. Noted May 26.

S. C., Columbia—HOSPITAL—Aug. 11, by Bd. Regents, State Hospital for Insane, 2 brick and rein.-con. ward buildings, State Park, also altering and constructing addition to Parker Building, Lafaye & Lafaye, Columbia, archts.

Wis., Pulaski—BANK—See "Contracts Awarded."

Tex., Waco—HOTEL—Aug. 10 (extended date) by Tilton Hotel Co., c/o C. N. Tilton, Tilton Hotel, Dallas, and Lang & Witchell, archts. Amer Exch. Bank Bldg., Dallas, 14 story, rein.-con., brick, stone, $700,000. Noted July 21.

Ore., Portland—THEATRE—Aug. 15, by Bennes & Hertzog, archts., Chof. Com. Bldg., rebuilding Majestic Theatre, 351½ Washington St., for West Coast Theatres, Inc., 619 West Washington St. $200,000. Noted June 9.

Calif., Glendale—LODGE—Glendale Masonic Building Assn., taking bids (selected list of bidders), 4 story, basement and mezzanine, 64 x 125 ft., rein.-con., Brand Blvd. between Harvard and Colorado Sts. $200,-000. A. G. Lindley, 410 Amer. Bank Bldg., Los Angeles, archt. Noted July 28.

Calif., Los Angeles—APARTMENT—See "Contracts Awarded."

Calif., Los Angeles—GARAGE—Normandie Impvt. Co. (A. T. Pelton), 6001 Santa Monica Blvd., taking bids 6 story and basement, 100 x 125 ft., rein.-con., 8th St. and Normandie Ave. R. D. King, Van Nuys Bldg., archt.

Calif., Los Angeles—STORE and APARTMENT—See "Contracts Awarded."

Calif., San Francisco—THEATRE—H. A. Minton, associated archt., Bank of Italy Bldg., taking bids and open same about Aug. 20, theatre, 5,350 seating capacity, Hayes and Market Sts., for Capital Co., Bank of Italy Bldg. $1,500,000. T. W. Lamb, 8th Ave., New York City, archt. H. L. Nishkian, Underwood Bldg., engr. Noted July 14.

Calif., San Jose—BANK and OFFICE—F. H. Meyer, archt., 742 Market St., San Francisco, taking bids 9 story and basement, steel and rein.-con., 1st and Santa Clara Sts., here, for 1st Natl. Bank. To exceed $150,000. Noted Oct. 28.

Calif., Santa Barbara — HOTEL and STORE—See "Contracts Awarded."

Calif., Woodland—HOTEL and STORE —See "Contracts Awarded."

Contracts Awarded

Me., Alfred—COURTHOUSE—York Co., altering and constructing 2 story and basement, brick and stone addition, plain foundation, to M. J. Greene Constr. Co., 390 Congress St., Portland. Archts est. $150,000.

Me., Augusta — HOSPITAL — Augusta State Hospital, F. Tyson, supt. 3 story and basement, brick and stone, plain foundation, to Naugler Bros., 117 Brooks St., Brunswick. Archts. est. $150,000. Noted July 6.

Mass., Boston—STORE—E. T. Slattery Co., 155 Tremont St., altering and constructing 5 story and basement, brick addition, plain foundation, to Olympia Constr. Co., 333 Washington St. Archts. est. $150,000.

Mass., Framingham — HOSPITAL — Framingham Hospital, G. A. Avery, chn., 3 story and basement, brick and steel addition, to J. J. Prindiville Co., Prindiville Bldg. Archts. est. $350,000. Noted Jun. 30.

Mass., Greenfield — HOTEL — Weldon Hotel Corp., J. T. Sellw, mgr., altering and constructing 3 story and basement, brick addition, plain foundation, High St. to W. M. Bailey Co., 88 Broad St., Boston, Archts. est. $150,000. Noted June 30.

Mass., Lowell—THEATRE—R. E. Brown, Elm St., Andover, will build 2 story and basement, 60x100 ft., brick and steel, plain foundation. East Merrimac St. $150,000. Work to be done by separate contracts. C. L. Kemp, 8 Platt St., Lawrence, archt. Noted July 14.

Mass., Quincy (Boston P. O.)—APARTMENT—F. Diliberto, 11 Beacon St., Boston, will build 3 story and basement, 100x 140 ft., brick and stone, plain foundation, Wollaston Dist. $150,000. Work to be done by separate contracts. R. M. Stowell, 184 Boylston St., Boston, archt.

Mass., Somerville (br. Boston)—Y.M.C.A., E. W. Houghton, 37 Medford St., 4 story and basement, brick, plain foundation, 101 Highland Ave., to J. Hartwell Co., 46 Cornhill, Boston, Archts. est. $175,000. Noted July 14.

R. I., Providence — STORAGE and WAREHOUSE—Belcher & Loomis Co., 89 West Exchange St., H. B. Read, pres., 4 story, 110 x 120 ft., rein.-con. and brick, plain foundation, to Aberthaw Co., 80 Federal St., Boston, Mass. Archts. est. $150,-000. Noted June 14.

Conn., Hartford — WAREHOUSE — S. Kohn & Co., 241 State St., 2 story 72,000 sq.ft. floor space brick and steel, Windsor St., to G. Cudemo & Southern New England Constr. Co., 168 Temple St., Archts. est. $160,000.

Conn., Middletown — BANK—Middlesex Mutual Assurance Co., brick, steel and stone, Broad and Court Sts., to H. Wales Lines, 134 State St., Meriden.

N. Y., Buffalo—COURT HOUSE—J. Moore, comr. Park & Pub. Buildings, City and County Hall, 8 story, fireproof, Delaware Ave. and West Eagle St., to Mosier & Summers, 1266 Seneca St. Noted June 23.

N. Y., Mount Vernon—PROFESSIONAL —Mahlstedt-Steen Securities Co. (owner and contractor) 52 Vanderbilt Ave., New York City, will build 5 story, 100 x 126 ft. rein.-con., brick and steel, plain foundation, 117 South 2nd Ave. $300,000.

N. Y., New York—APARTMENTS—Rhinelander Estate, c/o F. M. Volk, 31 Nassau St., two 11 story and basement, brick, steel and stone, concrete foundation, 119-37 Lexington Ave., to J. H. Taylor Constr. Co., 31 Union Sq. Archts. est. $500,-000 each. Noted June 9.

N. Y., New York—APARTMENT—Bronx Park East Contr. Co., 363 Willetts Ave., will build 6 story, 87 x 150 ft., brick, steel, plain foundation, Seneca and Bryant Aves., $250,000. Work will be done by separate contracts. Franklin Bates & Heinsman, 2526 Webster Ave., archts.

N. Y., New York—APARTMENT—Solomon & Kahn, 475-5th Ave., will build 15 story, 65 x 100 ft., brick and steel, plain foundation, 179 East 79th St. $460,000. Work will be done by separate contracts. Gronenberg & Leuchtag, 1385 Bway., archts.

N. Y., New York—APARTMENT—D. Zimmerman, 1431 Bway., will build 15 story, 90 x 100 ft., brick and steel, 1231 Park Ave. $75,000. Work will be done by separate contracts. Gronenberg & Leuchtag, 1385 Bway., archts. Noted Oct. 7.

N. Y., New York—FURNITURE STORE —A. Finkenbergs Sons, 2279 3rd Ave., 5 story, 80 x 225 ft., brick and steel, concrete foundation, 59th St., Lexington and 3rd Aves., to Kidansky & Levy, 424 Madison Ave. Archts. est $400,000.

N. J., Bogota (br. Hackensack)—THEATRE, STORE and OFFICE—Owner, c/o W. E. Lehman, archt., 972 Broad St., Newark, general contract 2 story and basement, brick and steel, plain foundation, Queen Ann Ave. and Cypress St., to Heller Constr. Co., 972 Broad St., Newark, archts. est. $500,000.

N. J., East Orange—APARTMENT—Feldman & Pivnick, Inc., c/o R. Botelli, 45 Branford St., Newark, will build 4 story, 60 x 140 ft., brick and steel, plain foundation, 240 North Grove St., here. $150,000. Work will be done by separate contracts. Noted July 28.

N. J., East Orange—APARTMENT—J. Kreiger, 133 South Burnett St., will build 4 story, 75 x 160 ft., brick and steel, plain foundation, Washington St. $150,000. Work will be done by separate contracts. R. B. Bottelli, 45 Branford Pl., Newark, archt.

N. J., Newark—APARTMENT—D. R. R. Crowley (owner and archt.), 259 Weequahic Ave. will build 5 story, brick and steel, plain foundation, 689-99 Sanford Ave. $150,000. Work will be done by separate contracts.

N. J., Newark — APARTMENT — M. Shapiro, c/o R. Botelli, archt., 45 Branford Pl., will build 5 story, brick and steel, plain foundation, Elizabeth and Porter Aves. $150,000. Work will be done by separate contracts.

N. J., Oradell—CLUBHOUSE—C. C. Wendehack, archt., 101 Park Ave., New York City, general contract 2 story and basement, brick and steel, plain foundation.

Buildings—Commercial (Continued)

here, to **Ferber Constr. Co.**, 16 Johnson Ave., Hackensack, for Hackensack Golf Club, Central Ave., Hackensack. Archts. est. $150,000. Noted June 23.

N. J., Park Ridge—BANK—Rocker, Hewson & Strassle, archts., 6 East 46th St., New York City, general contract 2 story and basement, 75 x 100 ft., brick and steel, plain foundation, here, to Alberg Constr. Co., 3 Church St., Paterson. Archts. est. $150,000. Noted June 23.

Pa., Glenshaw—CLUB HOUSE—Wildwood Country Club, c/o A. B. Snyder, archt., Butler Park, general contract 2 story and basement, irregular shaped club house, here, to Nicola Building Co., Penn and Denniston Aves., Pittsburgh. Archts. est. $200,000.

Pa., Phila.—APARTMENT—S. Kaplan, 243 South 62nd St., will build 4 story and basement, 65x125 ft., brick and steel, plain foundation, 4618 Chester Ave., $175,000. Work will be done by separate contracts. M. Bohrer, 1032 North 67th St., archt.

Pa., Phila.—APARTMENT—J. Gorchov, 4116 Germantown Ave., will build 4 story and basement, 48x130 ft., brick and steel, plain foundation, 40th and Baltimore Sts. $150,000. J. E. Fieldstein, Otis Bldg., archt.

Pa., Phila.—LOFT—B. F. Cohn, Widener Bldg., 20 story and basement, 86 x 106 ft., rein.-con., brick and steel, plain foundation, 1202-10 Filbert St., to Taylor-Meyer, Keystone Bldg., Pittsburgh. $1,250,000. Noted July 14.

Pa., Phila.—THEATRE—Brown Bros., 4729 Baltimore Ave., will build 1 story and basement, 76 x 263 ft., rein.-con., brick and steel, plain foundation, 47th and Baltimore Sts. $250,000. I. W. Levin, 1011 Chestnut St., archt. Work to be done by separate contracts. Noted Mar. 1, 1926.

N. J., Rutherford—APARTMENT—Magnolia Constr. Co., 1 Magnolia Ave., Jersey City, will build 4 story, 85 x 100 ft. brick and steel, plain foundation, 64 Ettrick Terrace, here. $200,000. Work will be done by separate contracts. J. Stollman, 90 Waldo Ave., Jersey City, archt. Noted July 14.

Va., Richmond—APARTMENT—Monroe Terrace Interests, 12 story, brick, steel and stone, plain foundation, Franklin and Pine Sts., to Wise Granite & Constr. Co., 818 West Main St., and A. J. Saville, Inc., Electric Bldg., $1,100,000. Noted Feb. 3.

Ala., Birmingham—OFFICE—Southern Life & Health Insurance Co., 308 North 21st St., 4 story, 75 x 100 ft., concrete and stone, Highland Ave. and Ash St., to Warren, Knight & Davis, Empire Bldg., $200,000.

O., Cleveland—COMMERCIAL, APARTMENT and THEATRE—M. B. Horwitz, Film Exch. Bldg., 2 story and basement, 81 x 192 ft., brick, steel and concrete, East 84th St. and Hough Ave., to Boldt Constr. Co., 1969 East 70th St. Archts. est. $250,000. Noted June 9.

O., Cleveland — SANITARIUM — H. H. Timken, pres. Timken Roller Bearing Co., 15th St. S.W., Canton, 5 story, 64 ft. high, steel, East 185th St. and Lak Shore Blvd., here, to Melbourne Constr. Co., 1220 9th St. N.E., Canton. Archts. est. $200,000.

O., Cleveland — WAREHOUSE—Ohio Terminal Co., c/o S. Malbin, 2704 East 34th St., 8 story and basement, 500,000 cu.ft., floor space, rein.-con. and brick, Croton Ave., to J. Boman, 1679 Coventry Rd., Cleveland Heights. Archts. est. $400,000.

O. Cleveland—WAREHOUSE, BOILER HOUSE and STEAM ROOM—Great Western Oil Co., B. W. Brown, pres, 2846 East 37th St., 2 story, 60 x 180 ft. warehouse, 22 x 23 ft. boiler house, and 20 x 30 ft. steam room, rein.-con., brick and steel, East 37th St., to H. K. Ferguson Co., 4900 Euclid Ave. Archts. est. $75,000.

O., Cleveland — WAREHOUSE — Sheets Elevator Co., J. M. Sheets, pres., 6529 Bway., 4 story and basement, 110 x 113 ft., brick and steel, 6529 Bway., to A. A. Lane Constr. Co., 1869 East 55th St. Archts. est. $175,000.

O., Cleveland Heights (br. Cleveland)—APARTMENT—Goodman-Shapiro Co., 636 Engineers Bldg., Cleveland, 3 story and basement, 55 x 130 ft., brick, Middlehurst Rd., here, to M. Berkoff, 3346 Washington Blvd. Archts. est. $150,000. Noted May 5.

O., East Cleveland (br. Cleveland)—TEMPLE—East Cleveland Masonic Temple Building Co., c/o C. N. Herringshaw, pres., 14213 Euclid Ave., Cleveland, 2 story and basement, 50 x 120 ft., brick, steel and concrete, Belmore Rd., to R. E. Nivon, 2036 East 105th St. Archts. est. $150,000.

O., St. Bernard—BANK—Citizens Natl. Bank, Carthage Pk., 3 story and basement, 46 x 80 ft., brick and rein.-con., plain foundation, Main Ave., to P. A. Jones Co., Main Ave., $140,000.

Ind., Indianapolis — APARTMENT — Llanhurst Realty Co., general contract 3 story and basement, 84 x 202 ft., rein.-con., brick and steel, to A. Baynham & Co., 609 Chamber of Commerce Bldg. Archts. est. $225,000.

Mich., Detroit—HOSPITAL—Detroit Bd. Health, 1300 Beaubien St., 6 story and basement, 500 bed, rein.-con., brick and steel, plain foundation, Hamilton Ave., to W. E. Wood Co., 1805 Ford Bldg. $2,378,219.

Mich., Detroit — OFFICE — Union Trust Co., Griswold St., superstructure for 45 story and basement, rein.-con. brick and steel, Fort and Griswold Sts., to A. A. Albrecht Co., 1117 Penobscot Bldg. Noted Apr. 28.

Mich., Detroit—OFFICE and LOFT—J. J. Garrison, 144 Lafayette St., 7 story, 50 x 120 ft., rein.-con. and brick, plain foundation, Jefferson Ave., to Austin Co., General Motors Bldg. Archts. est. $300,000.

Ill., Chicago—APARTMENT—S. Sackheim, c/o Cable & Spitz, archts., 220 South State St., masonry contract 3 story and basement, 228 x 167 ft., Home and Hayne Aves., to J. Erickson & Son, 1424 Elmdale Ave. Archts. total est. $257,000.

Ill., Chicago—APARTMENT HOTEL—Grandeur Apartment Hotel Co., c/c P. T. Johnstone, archt., 35 East Wacker Dr., masonry and concrete contract 12 story and basement, 45 x 150 ft. apartment hotel, Granville and Winthrop Aves., to Complete Artificial Stone Co., 3310 Belmont Ave.; carpentry, to Chell & Anderson, 11 South La Salle St.; and plastering, to Tobin Plastering Co., 6316 Bway.

Ill., Chicago—CLUB—Granger & Bollenbacher, archts., 332 South La Salle St., 8 story and basement, 72 x 80 ft., rein.-con., brick and terra cotta, addition, plain foundation, Van Buren and South Michigan Aves., to E. L. Scheidenhelm Co., 111 West Monroe St., for Chicago Club, Van Buren and South Michigan Aves. Archts. est. $1,000,000. Noted May 26.

Ill., Chicago—GARAGE—A. S. Alschuler, archt., 28 East Jackson Blvd., masonry and carpentry contract 10 story and basement, 100 x 124 ft., rein.-con. and brick, 318-28 Federal St., to R. F. Wilson & Co., 1851 Elston Ave., for Ramp Building Corp., 21 East 40th St., New York City. Archts. est. $1,200,000.

Wis., Beaver Dam — HOTEL — Hutter Realty Co., 134 Western Ave., Fond du Lac, 5 story and basement, 54 x 168 ft., rein.-con., brick and steel, plain foundation, here, to Hutter Constr. Co., 134 Western Ave., Fond du Lac, excavation and foundation, to R. P. Suttlefield, Madison. Archts. est. $250,000.

Wis., Beloit—HOSPITAL—City, general contract 4 story and basement, 50 x 165 ft., rein.-con., brick, hollow tile and precast stone, plain foundation, to Pehrson Bros., 555 Gateway Bank Bldg., Minneapolis, Minn., $121,780. Noted Sept. 30.

Built-up roof, steam heat, passenger elevator, etc.

Wis., Chippewa Falls—HOSPITAL—St. Josephs Hospital, general contract 3 story and basement, 44 x 120 ft., rein.-con., brick and steel, plain foundation, to Hoeppna-Bartlett Co., Chippewa Falls. Archts. est. $150,000. Noted Mar. 17.

Wis., Pulaski — BANK — Liberty State Bank, will build 2 story and basement, 96 x 150 ft., rein.-con., brick and steel, plain foundation, here, by day labor. Oppenhamer & Obel, Bellin Bldg., Green Bay, archts.

Mo., St. Louis—BANK—Tower Grove Bank, 3134 South Grand Blvd., remodeling and constructing 2 story and basement, 39 x 45 ft., rein.-con., brick and stone addition, to St. Louis Bank Building & Equipment Co., 9th and Sidney Sts. Archts. est. $150,000.

Mo., St. Louis—STORE and APARTMENT—Northwestern Corp., c/o Klingenschmidt, Rice & Wilkins, archts., 1217 Louderman Bldg., general contract 2 story and basement, 40 x 56 ft. and 50 x 200 ft., rein.-con. and brick, incl. 14 garages, etc., West Florissant and Floy Sts., to Wilkins & Phillips, Compton Bldg. Archts. est. $150,000. Noted June 9.

Tex., Abilene — HOTEL — Abilene Hotel Co., 9 story and basement, 100 x 140 ft., rein.-con., brick and stone, 4th and Pine Sts., to R. E. McKee, El Paso, $400,000.

Tex., Abilene—STORE and OFFICE—G. L. Paxton & W. G. Swenson, 8 story, 50 x 140 ft., rein.-con., brick, and hollow tile, North 3rd and Cypress Sts., to R. E. McKee, El Paso, $224,000. Noted June 2.

Tex., Dallas—MEDICAL ARTS—Carey-Schneider Investment Co., 217 Medical Arts Bldg., 17 story, brick, stone, terra cotta and steel annex, Pacific and St. Paul Sts., to McKenzie Constr. Co., 707 Santa Fe Bldg., $800,000. Noted May 26.

Tex., Houston—BANK and OFFICE—San Jacinto Trust Co., c/o G. Howard-Humble Bldg., 4 story (ultimately 23 story), 60 x 127 ft., Main and Lamar Sts., to D. Hall, Cotton Exch. Bldg. Archts est. $200,000. Noted July 7.

Tex., Odessa—HOTEL—G. D. Elliott, 3 story and basement, 75 x 102 ft., brick and stone hotel, to H. C. Allen, Odessa, $160,000.

Tex., Port Lavaca—HOTEL—Bay Side Beach, Inc., 304 Texas Bldg., San Antonio, general contract 3 story and roof garden, rein.-con., brick, hollow tile and stucco, plain foundation, Bayside Beach, near here, to B. & B. Constr. Co., 844 Rush St., Chicago, Ill., $400,000. Noted July 7.

Tex., San Antonio—HOTEL—Smith Bros. Properties, Inc., c/o Plaza Hotel, general contract 12 story and basement, rein.-con., brick, stone and steel, plain foundation, St. Mary's St., to McKenzie Constr. Co., Travis Bldg., approximately $600,000.

Ore., Astoria—THEATRE—Washington Theatre Enterprises, Lloyd Bldg., Seattle, Wash., rebuilding 3 story, 50 x 108 ft., rein.-con. and brick, concrete foundation, 11th and Commercial Sts., here, to Friburg & Knudson, Portland, $200,000. Noted July 21.

Ore. Eugene — EXCHANGE — Pacific Telephone & Telegraph Co., general contract 3 story and basement, 70 x 76 ft., rein.-con. and steel, plain foundation, 10th and Oak Sts., to J. W. Swope, Eugene, $200,000.

Calif., Fresno—THEATRE—L. L. Cory, Cory Bldg., Class "A" theatre, 1,300 seating capacity, to C. H. Peterson, 520 California St., $150,000. Noted Feb. 11.

Calif., Los Angeles—APARTMENT—R. Auer, Black Bldg., will build 3 story and basement, 50 x 108 ft., brick, Edgewood Pl., by day labor. $160,000.

Calif., Los Angeles—APARTMENT—H. K. Elder, 5 story and basement, brick, South Hobart Blvd., to J. T. Bibb, 214 North Grand Blvd., Glendale, approximately $150,000.

Calif., Los Angeles—APARTMENT—El Paula Holding Co., 4 story and basement, 112 x 200 ft., Western Ave. near Hollywood Blvd., to H. N. Dickerman, 315 West 9th St., $600,000.

Calif., Los Angeles — GARAGE — Normandie Impvt. Syndicate, 6 story and basement, 100 x 125 ft., rein.-con., 8th St. and Normandie Ave., to S. C. Clark, 6001 Santa Monica Blvd., $165,000.

Calif., Los Angeles—STORE and APARTMENT—H. N. Dickerman, Pacific Natl. Bank Bldg., will build 4 story and basement, 112 x 220 ft., brick, Western Ave., by day labor. $150,000 or more. R. D. King, Van Nuys Bldg., archt.

Calif., Los Angeles—STORE and LOFT—Hollywood-Vine Syndicate, c/o F. R. Dorn, archt., Rives-Strong Bldg., 11 story and basement, 100 x 150 ft., rein.-con., Vine St. and Hollywood Blvd., to Scofield Eng. Constr. Co., Pacific Finance Bldg., approximately $750,000. Noted Jan 13.

Calif., Merced—HOTEL and STORE—Denton & Gardner, 180 Turk St., San Francisco, 5 story and basement, rein.-con., 17th St. and Courthouse Dr., to R. McLeran & Co., Hearst Bldg., San Francisco, approximately $350,000.

Calif., Oakland—BANK and OFFICE—Bank of Italy, Powell and Eddy Sts., San Francisco, 1 story, 68 x 100 ft., rein.-con., 94th Ave. and East 14th St., here, to K. E. Parker, 135 South Park St., San Francisco, $155,500. Noted Feb. 3.

Calif., Oakland — HOSPITAL — Owner, c/o F. Reimers, archt., Tribune Bldg., 4 story and basement hospital, East 14th St., to C. W. Heyer, Jr., Mills Bldg., $175,000.

Calif., Oakland—TERMINAL—C. Gordon, c/o F. Spitzer, engr., 251 Kearny St., San Francisco (1st unit) 1 story, 120 x 120 ft., brick and steel, 26th and Magnolia Sts., to Mattock & Feasey, 210 Clara St., San Francisco.

Calif., Oroville—THEATRE—T. & D. Jr., and West Coast Theatres, Inc., 580 Market St., San Francisco, concrete, 1,500 seating capacity, Meyers and Robinson Sts., to F. Salih, Detwiler Bldg., Los Angeles, $250,000. Noted Apr. 7.

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Buildings—Commercial (Continued)

Calif., Pasadena — STORE — Pasadena Holding Co., c/o Marston, Van Pelt & Maubury, archts., 25 South Euclid Ave., 1 and 2 story, brick, Colorado St., to W. A. Taylor & Sons. 32 West Union St., approximately $150,000.

Calif., San Bernardino — STORE and THEATRE—W. O. Harris, et al, rein.-con. theatre, 2,500 seating capacity, 4th St., to F. Solt, 5416 Ruthelen St., Los Angeles, $200,000. Noted June 23.

Calif., San Bruno — THEATRE — C. E. Peterson, c/o N. R. Coulter, archt., 46 Kearny St., San Francisco, 75 x 135 ft., rein.-con. and steel theatre, to C. S. Mabrey, Ochsner Bldg., Sacramento, $165,000.

Calif., San Francisco—HOTEL—Huckin's Hotel System, c/o Weeks & Day, archts., Financial Center Bldg., 22 story and basement, rein.-con. and steel, Powell and Cutter Sts., to Lindgren & Swinerton, 225 Bush St., $2,000,000.

Calif., San Francisco—STORE—I. Magnin Co., Geary and Grant Aves., 8 story and basement, rein.-con., Geary and Grant Aves., to Macdonald & Kahn, Financial Center Bldg., $500,000. Noted July 28.

Calif., Santa Barbara — HOTEL and STORE—W. S. Seamans, W. A. Brown, et al, Cabrillo Bldg., will build 3 story and basement, brick, Coast Highway, by day labor. $150,000. E. L. Mayberry, 122 West 7th St., Los Angeles, archt.

Calif., Stockton—TERMINAL—Western Pacific R.R. Co., J. W. Williams, ch. engr., Mills Bldg., San Francisco, 60 x 700 ft. warehouse, 600 ft. wood pile dock, 700 ft. timber wharf, pile trestle approaches, 11 mi. track, 7 timber bridges, etc., here, to W. A. Bechtel Co., 625 Market St., San Francisco, approximately $200,000.

Calif., Woodland—HOTEL and STORE—Weeks Investment Co., 369 Pine St., San Francisco, will build 4 story and basement, concrete, Main and College Sts., here, by day labor and sub-contracts. $245,000. W. H. Weeks, 369 Pine St., San Francisco, archt. Noted May 19.

Ont., Oshawa—OFFICE—General Motors of Canada, 4 story and basement, 48 x 320 ft., rein.-con., brick and steel, plain foundation, William St., to Jackson Lewis Constr. Co., Ltd., Federal Bldg., Toronto, Archts. est. $300,000. Noted June 2.

Ont., Toronto—APARTMNET—J. A. Cudmore, 84 Castle Frank Rd., general contract 3 story and basement, brick and steel, plain foundation, Broadview Ave., to J. Gordon, 885 Broadview Ave. Archts est. $150,000.

Ont., Toronto — APARTMENT — Lawton Manor Apartments, c/o V. L. Morgan, archt., 317 St. Clements Ave., masonry contract 3 story and basement, rein.-con., brick and steel, plain foundation, Lawton Blvd. and Lonsdale Rd., to Monkman & Quincy, 55 Millwood Rd.; steel, to Reed & Brown, 63 Esplanade E; steel joists, to Sarnia Bridge Co., Federal Bldg.; carpentry, to Federal Building Co., McGill & McGeachie, 1342a St. Clair Ave., W. Archts. est. $175,000.

Ont., Toronto—OFFICE and GARAGE—G. A. Stimson & Co., 300 Bay St., general contract 10 story and basement, 158 x 210 ft., rein.-con., brick, steel and cut stone Front and Bay Sts., to Carswell Constr. Co., Ltd., C.P.R. Bldg., Toronto. Archts. est. $1,500,000.

Buildings—Industrial

Proposed Work

N. H., Lebanon—BAKERY—Nat. Biscuit Co., c/o Wells & Hudson, archts., Hanover., having preliminary plans prepared 2 story, probably brick and stone, here. $40,000.

Mass., Attleboro—PLANT—Amer. Reinforced Paper Co., 45 County St., having preliminary plans prepared by C. T. Main, 201 Devonshire St., Boston, paper manufacturing plant, Starkey St. $40,000 or more. Noted July 23.

Mass., Boston—SALES SERVICE AND REPAIR GARAGE — Argonaut Realty Corp. (div. General Motors), H. G. Hickey in charge, having plans prepared by A. Kahn, Inc., Marquette Bldg., Detroit, Mich., 2 story, rein.-con., plain foundation, $50,000 or more.

Mass., Cambridge (Boston P. O.)—REPAIR AND SERVICE GARAGE—McSorly Bros., Bway. Garage, 456 Bway, having sketches made by H. M. Ramsey, 184 Boylston St., Boston, 1 story, rein.-con. addition, plain foundation, $45,000.

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Mass., Holyoke—DYE WORKS—Barowski Bros., 78 Appleton St., having plans prepared by G. P. B. Alderman & Co., 316 High St., 1 story and basement brick, plain foundation, Elm St. $40,000 or more.

Mass., Lowell—PUBLISHING PLANT—Courier-Citizen Co., having plans prepared by H. P. Graves, 40 Middlesex St., altering and constructing 4 story, brick, publishing plant, incl. concrete press foundations and steel bridge, Jackson St., $40,000.

Mass., Medfield — FACTORY — Amer. Brick Co., c/o H. L. Kennedy, archt., 80 Boylston St., Boston, had plans prepared altering and constructing 1 story brick and steel addition, plain foundation, here. $40,000.

Mass., New Bedford — REPAIR and SERVICE GARAGE—City, W. P. Hammersley, Municipal Bldg., plans 1 story, brick, plain foundation, Smith St. $50,000. Private plans.

Conn., New Haven—GARAGE—Connecticut Co., 185 Church St., had plans prepared by R. W. Foote, 185 Church St., 1 story, 35 x 200 ft., brick and concrete addition, Grand Ave. $45,000.

Conn., Somersville—PLANT—Somersville Mfg. Co. had plans prepared 4 story, 30 x 120 ft. addition to main plant, also 2 story addition over Scantic River connecting plants each side, and later 2 story, 56 x 142 ft. dyehouse, all brick and steel. $125,000. Private plans.

Pa., Franklin — FACTORY — Ernest McGeorge, archt. and engr., 3030 Euclid Ave., Cleveland, O., takes bids about Aug. 5, three 1 story factory buildings 60 x 330 ft., 100 x 293 ft. and 130 x 220 ft., brick and steel, here, for Chicago Pneumatic Tool Co., 572 Randolph St., Chicago, Ill. Noted July 14.

Pa., Pottstown — KNITTING MILL — Vaughan Knitting Co., Washington and Laurel Sts., having plans prepared by A. S. Kepner, 121 North Hanover St., Phila., 2 story and basement, 60 x 120 ft., Washington and Laurel Sts.

Tex., San Antonio—CAKE PLANT—Colonial Cake Co., c/o D. T. Perry, Block South Laredo and Santa Rosa Ave., having preliminary plans prepared 3 story and part basement, rein.-con. brick and tile, addition, plain foundation. $200,000. Private plans.

Tex., San Antonio—FACTORY—Gebbhardt Chilli Powder Co., 112 South Frio St., having plans prepared by J. M. Marriott, Frost Bldg., 2 story, 70 x 100 ft. factory, 1,800 Block, South Laredo. $60,000 including equipment.

Tex., San Antonio—GARAGE—Goad Motor Co., Navarro and Augusta Sts., had plans prepared by H. P. Smith, archt. and engr., c/o Bank of Commerce Bldg., and takes bids about Aug. 10, 2 story (ultimately 3 story), 165 x 167 ft. rein.-con., brick, hollow tile and stucco, plain foundation, incl. offices, showrooms, etc., Dallas and Lexington Sts. $125,000.

Tex., San Antonio—CREAMERY—Dairymens' Co-operative Assn., c/o L. C. Laney, 104 East Josephine St., takes bids about Sept. 7, fireproof building, approximately 1,000 gal. Grade "A" raw and pasteurized milk per hr. $200,000 incl. machinery and equipment, etc. Private plans.

Tex., Snyder—COTTON GIN—J. R. Joyce & Son having plans prepared rebuilding fireproof cotton gin, recently destroyed by fire. $42,000. Private plans.

Tex., Temple—GAS PLANT—See "Unclassified under Texas."

Wash., Kelso — PULP and PAPER PLANT—E. Knight plans pulp and paper plant. $150,000.

Calif., Alhambra—FACTORY—Reliance Mfg. Co. 1020 South Bway., Pasadena plans large plant on 2 acre site, Meridian Ave. $150,000. Engineer and architect not selected.

Calif., Los Angeles—PRINTING—A. D. Van Vranken, 756 South Spring St., plans printing building, 12th St. and Grand Ave. To exceed $150,000. Engineer and architect not selected.

Calif., San Francisco — COOPERAGE PLANT—Bauer Cooperage Co., 500 Hampshire St., plans cooperage plant in southern section of city. To exceed $40,000.

Ont., Hamilton — FACTORY — Firestone Tire & Rubber Co., Beach Rd., having plans prepared factory addition. $60,000. C. A. Meyers, c/o owner, engr.

Ont., Kincardine — FACTORY — Andrew Malcolm Furniture Co., J. Malcolm, genl. mgr., plans 3 story, 50 x 100 ft. addition. $50,000.

Ont., Oshawa—BODY PLANT—General Motors of Canada Ltd., having plans prepared by Hutton & Sauter, 6 James St. S. and soon take bids 3 story, 90 x 300 ft. rein.-con., brick and steel addition plain foundation, Division St. $250,000.

British Columbia—ICE STORAGE PLANT—Canadian Natl. Rys., Montreal, Que., C. S. Gzowski, ch. constr. engr. having plans prepared ice house at Prince Rupert, and extending ice storage house at Kamloops, here. $50,000.

Bids Desired

Mass., Holyoke—PLANT—General Cleaners & Dyers Inc., 403 High St., taking bids 1 story and basement, 50 x 75 ft., brick, plain foundation, 361 South St., G. P. Alderman & Co., 316 High St., archts.

Conn., Hartford—SERVICE STATION, etc.—Aug. 6, by White Co., B. M. Holden, 750 Main St., 1 story, 150 x 150 ft., brick, steel and concrete, Maple Ave. $100,000. Private plans. Noted July 6.

N. Y., Syracuse—SALES and SERVICE—Aug. 9, by White Motor Co., c/o H. R. Hadlow, engr., 842 East 79th St., Cleveland, O., 1 story, brick and concrete auto sales and service building, here. $150,000. Private plans. Noted Dec. 9.

Pa., Phila.—BAKERY, GARAGE, etc.—Aug. 22, by C. Bloomstock, archt., 110 West 40th St., New York City, 3 story and basement, bakery; 1 story, 61 x 191 ft. garage; and 2 story, 93 x 189 ft. stable, all rein.-con., brick and steel, Godfrey St. and Rising Sun Ave., for General Baking Co., Broad and Butler Sts., here.

Ind., South Bend—MACHINE SHOP and SERVICE STATION—Heckaman & Heckaman taking bids 1 story and basement, brick and steel, Jefferson St. and Lincoln Way. $47,000. W. W. Schneider, Conservative Life Bldg., archt.

Wis., Green Bay—SHOP—See "Contracts Awarded."

Wis., Sheboygan—SERVICE STATION—W. C. Weeks, archt., Ontario Ave., taking bids 1 story, 53 x 66 ft., rein.-con., brick and steel, plain foundation, Indiana Ave., for Schniderwind & Zehms, 1401 Indiana Ave. $40,000.

Wis., Wausau—SHOP—See "Contracts Awarded."

Calif., Pacific Grove—FACTORY and WAREHOUSE—See "Contracts Awarded."

Calif., San Francisco—PAPER BOX FACTORY—See "Contracts Awarded."

Contracts Awarded

Mass., Brookline (br. Boston)—REPAIR SHOP and GARAGE—Hotel Beaconsfield, 1731 Beacon St., 1 story, 15,000 sq.ft. floor space, rein.-con., plain foundation, Beacon St., to N. Hurwitz, 294 Washington St., Boston. $70,000. Noted June 30.

Mass., Cambridge (Boston P. O.)—SHOP, etc.—W. G. Galgay, 718 Massachusetts Ave., 3 story, brick, plain foundation and 2 greenhouses, Prospect and Harvard Sts. to M. W. Ryan, 763 Massachusetts Ave. Archts. est. $40,000.

Mass., Cambridge (Boston P.O.)—GARAGE—Natl. Biscuit Co., 85 9th Ave., New York City, 1 story, 150 x 200 ft., rein.-con. and brick addition, plain foundation, Albany and Pacific Sts., to H. L. Hauser Building Co., 263 Summer St., Boston. Archts. est. $85,000. Noted July 6.

Mass., Fall River—REPAIR and SERVICE GARAGE—D. J. Dennis, 6th St., 1 story and basement, rein.-con. and brick addition, plain foundation, to A. W. McQuillan, 6th St. $45,000.

Mass., Holyoke—GARAGE and REPAIR SHOP—F. Rainault, c/o F. H. Franz, 278 High St., archt., 1 story, 75 x 120 ft., rein-con., brick and steel, plain foundation, to Martin Bros., 21 Temple St. Archts. est. $50,000.

Mass., Watertown (Ind. br. Boston)—CREAMERY and ICE PLANT—Lyndonville Creamery Assn., Elm St., 2 story, 47 x 65 ft., brick, Elm St., to J. W. Duff, Inc., 145 Summer St., Boston. Archts. est. $40,000.

R. I., Providence—REPAIR and SERVICE GARAGE, etc.—White Co., A. Hadlow, mgr., East 79th St. and St. Clair Ave., Cleveland, O., (1st unit) 1 and 2 story, 102 x 200 ft., brick, steel and concrete, Branch Ave. and Dryden Lane, here, to Aberthaw Co., 80 Federal St., Boston, Mass. Noted July 6.

R. I., Providence—SERVICE, WAREHOUSE and STORAGE—Belcher & Loomis Realty Co., 80 Weybosset St., 4 story, 110 x 120 ft., rein.-con. plain foundation, West Exchange and Mason Sts. to Aberthaw Co., 80 Federal St., Boston, Mass., Archts. est. to exceed $40,000.

Buildings—Industrial (Continued)

Conn., Hartford—REPAIR and SERVICE GARAGE—O'Meara Motor Co., 997 Main St., East Hartford, 2-story, brick, steel and artificial stone, Connecticut Blvd. and Darlin St., to O'Meara c/o owner. Archts est. $75,000.

Conn., Hartford — TOBACCO ASSORTING MILL—Hatheway & Steane, 235 State St., general contract 2 story, 86 x 132 ft., brick addition, Commerce St., to Industrial Contr. Co., 721 Main St. Archts. est. $45,000.

Conn., Hartford—SERVICE STATION, etc.—Owner c/o R. J. Farrell, 10 Irving St., 1 story, brick, steel and concrete, Farmington Ave., to O. H. Smith, 15 Brunswick Ave. Archts. est. $60,000.

Conn., New Haven—GARAGE—Connecticut Co., 236 Church St., J. K. Punderford, pres., 1 story, 35 x 200 ft. brick and concrete addition, Grand Ave., to C. W. Murdock Co., 505 Grand Ave. Archts. est. $45,000.

N. Y., Brooklyn—FACTORY—Mergenthaler Linotype Co., 29 Ryerson St., 8 story, sub-basement and basement, 70 x 304 ft., rein.-con. concrete foundation, 14-22 Ryerson St., to Industrial Eng. Co., 50 Church St., New York City. Archts. est. $400,000. Noted June 23.

N. J., Newark—NEWSPAPER PLANT—H. Scudder, archt., 9 Clinton St., general contract 9 story, 37 x 115 ft., rein.-con., brick and steel, rein.-con. foundation, 215 Market St., to F. Kilgus, Inc., 13 South 6th St., Newark, for Newark Evening News, 215-17 Market St. Archts. est. $500,000. Noted May 17.

N. J., North Bergen—(Ind. br. Weehawken)—Natl. Lead Battery Co.; 1728 Roblyn Ave., St. Paul, Minn., general contract 2 story, rein.-con. brick and steel, plain foundation, 39th St., here, to Bonnanno Bros., 988 Bergenline Ave., Union City. Archts. est. $150,000.

N. J., Teaneck (mail Englewood)—POWER HOUSE—V. Reeser, archt., 55 West 42nd St., New York City, general contract 2 story, brick and steel, plain foundation, to J. L. Bried, West St., Englewood, for Holy Name Hospital here. Approximately $50,000. Noted June 9.

Pa., Carlisle — CARPET MILL — C. H. Masland Son, Inc., Amber and Westmoreland Sts., Phila., 1 story and basement, 167 x 210 ft., brick and steel, plain foundation, to Curtis Grinrod, 10 South 18th St., Phila.

Pa., Scranton — FACTORY — Anthracite Overall Co., 340 Penn St., 2 story and basement, 109 x 120 ft., brick and steel, plain foundation, 4th and Penn St., to T. Palmer, Miller Bldg.

La., Southport—CAR WHEEL PLANT—Hannibal Car Wheel & Fdry. Co., Hannibal, Mo., 200 x 200 ft. foundry, 43 x 104 ft. machine shop, and 2 story, 38 x 38 ft., brick and concrete office building, here, to Austin Co., 6112 Euclid Ave., Cleveland, O.

O., Akron—FACTORY—General Tire & Rubber Co., 1708 East Market St., three 1 and 4 story, brick and steel buildings to Clemmer & Johnson, 470 East Market St. Archts. est. $250,000.

O., Chillicothe — REPAIR GARAGE — Dept. Hys. & Pub. Wks., Ohio Hartman Bldg., Columbus, 1 story, 80 x 300 ft., brick and concrete, here, to McCurran Bros., Xenia, $42,720. Noted June 10.

O., Cleveland—FACTORY—Amer. Brass Mfg. Co., J. Arth, pres., 1525 East 49th St., 2 story, 20 x 70 ft., brick and steel addition, to F. Rothenbecker, 1222 Rozelle Ave, Archts. est. $40,000. Noted June 23.

O., Cleveland—FACTORY—Amer. Stamping Co., E. H. Krueger, secy., 978 East 64th St., 1 story, 51 x 148 ft. brick and steel, 985 East 63rd St., to R. P. Adams, 975 Roanoke Rd. Archts. est. $40,000.

O., Cleveland — FACTORY — Carnegie Body & Top Co., E. S. Eckstein, secy.-treas., 6115 Carnegie Ave., 1 story, 85 x 92 ft., brick and steel, 6115 Carnegie Ave., to E. Friedman, 961 Paxton Rd., Cleveland Heights. Archts. est. $40,000. Noted June 14.

O., Cleveland—FACTORY — Cleveland Twist Drill Co., 1242 East 49th St., 1 story, 80 x 140 ft. brick and steel, 4717 St. Clair Ave., to S. W. Emerson Co., 1836 Euclid Ave. Archts. est. $40,000.

O., Cleveland—FOUNDRY—City Foundry Co., W. C. Sayle, secy.-treas., 4629 Hamilton Ave., 1 story, 60 x 120 ft., brick and steel, 4629 Hamilson Ave., to Austin Co., 16112 Euclid Ave. Archts. est. $50,000. Private plans.

O., Fostoria—FACTORY—Ohio Farmers Co-Operative Milk Assn., J. J. Prindle, pres., 3068 West 106th St., Cleveland, 1 story, 54 x 120 ft., brick and steel, here, to H. Gage Constr. Co., Tiffin. Archts. est. $60,000.

Ind., Elkhart—MACHINE SHOP and GARAGE—Kilbury Auto Co., general contract 2 story and basement, 100 x 120 ft., brick and steel, to A. H. Kilbury, Elkhart. $45,000.

Ind., Elkhart — BOILER PLANT — H. Weis Mfg. Co., general contract rein.-con. brick and steel, incl. radial brick stack, unit heater boilers, to I. Mast, Elkhart archts. est. $45,000.

Ind., Logansport — CREAMERY — Burnett Bros., general contract 1 story and basement, 52 x 120 ft., brick and steel, 5th and High Sts., to H. W. Hedde, Logansport. Archts. est. $46,000.

Mich., Menominee—PACKING PLANT—Twin City Packing Co., 210 Beleview St., 2 story, 90 x 186 ft., rein.-con., brick and steel, plain foundation, to C. H. Danielson, Peshtigo, Wis., $100,000.

Mich., Muskegon—OIL BULK DEPOT—Standard Oil Co. of Indiana, 910 South Michigan Ave., Chicago, Ill., general contract rein.-con. and steel, plain foundation, Park St., here, to R. Love Constr. & Eng. Co., Union Bank Bldg., $78,000. Noted June 30.

Wis., Green Bay—HEATING PLANT—Bd. Educ., I. H. McIntyre, supt., 1 story, 60x90 ft., rein. con., brick and steel heating plant, here, for City High Schools, to Pharo Heating Co., 1302 Regent St., Madison, $89,600. Engrs. est. $90,000.

Wis., Green Bay—PLANT—Standard Oil Co., c/o G. Webb, dist. mgr., 2 story and basement, 68 x 77 ft., rein.-con., brick and steel, plain foundation, Bway., to H. J. Selmer Co., McCartney Bldg., Archts. est. $50,000.

Wis., Green Bay—MACHINE SHOP—Standard Oil Co., G. Webb, dist. mgr., 1 story, 76 x 147 ft., rein.-con., brick and steel, plain foundation, to H. J. Se'mer Co., McCartney Bldg. Archts. est. $40,000.

Wis., Green Bay—REPAIR SHOP and SERVICE STATION—G. and F. Schefe, 428 South Bway. St., 2 story, 70 x 95 ft., rein.-con., brick and steel, plain foundation, Bway. St., to N. Feldhausen, 1536 Elm St. Archts. est. $40,000.

Wis., Green Bay—REPAIR SHOP—Wisconsin Pub. Serv. Corp., Bellin Bldg., will build 2 story, 60 x 90 ft., rein.-con., brick and steel, plain foundation, Washington St., by day labor. Private plans.

Wis., Green Bay—STATION SERVICE—Greenwood Rental Co., 315 Monroe St., 1 story, 60 x 90 ft., rein.-con., brick and steel, plain foundation, here, to J. Basten, 1505 Cedar St.

Wis., Shawano—SERVICE STATION—Service Motor Co., J. Popp, prop., will build 1 story and basement, 40 x 68 ft., rein.-con., brick and steel, plain foundation, here, by day labor. $40,000. Private plans.

Wis., Sheboygan — TANNERY — Badger State Tanning Co., South Water St. and Maryland Ave., 2 story, 85 x 117 ft., rein.-con., brick and steel, plain foundation, South 11th St., to W. Guenther & Son, 1224 North 4th St. Archts. est. $40,000.

Wis., Tomah — SHOP — Chicago, Milwaukee & St. Paul R.R. Co., C. F. Lowther, ch. engr., Union Station, Chicago, Ill., 1 story, 40 x 60 ft., and 40 x 80 ft., concrete products shop, rein.-con. and timber, plain foundation, here, to J. Rinehr, Tomah. Archts. est. $40,000.

Wis., Wausau—REPAIR SHOP, etc.—Wisconsin Valley Electric Co., H. L. Gressl, mgr., 206 3rd St., will build 1 story and basement, 96 x 185 ft., rein.-con., brick and steel repair shop and car barns, plain foundation, by day labor. $42,000. Oppenhamer & Abel, Wausau, archts.

Wis., Winneconne—PLANT—Atlantic & Pacific Prud. Co., H. M. Clare, mgr., West Bend, 2 story, 75 x 80 ft., rein.-con., brick and steel concentrating plant, here, to Immel Constr. Co., Dana Bldg., Fond du Lac. Archts. est. $40,000.

Minn., Minneapolis—FACTORY—Cream of Wheat Co., D. F. Bull, treas.-mgr. 5th St. and 1st Ave. N., general contract 4 story with 6 story tower and basement, 165 x 250 ft., rein.-con., brick and stone, Bway. and Stinson Blvd., to C. F. Haglin & Sons, 920 Natl. Bldg., approximately $500,000.

Kan., Hutchinson—POWER PLANT—United Power & Light Co., rein.-con. and brick plant, to Stanley Constr. Co., Hutchinson. Archts. est. $200,000.

Tex., Abilene—ICE PLANT—O. D. Dillingham, 1 and 2 story, 87 x 126 ft., brick, steel and concrete, 75 ton capacity, to Arctic Ice Machine Co., 920 Market Ave. S., Canton, O., approximately $40,000.

Tex., Houston—WAREHOUSE—Missouri-Kansas-Texas R.R. Co., F. Ringer, Ch. engr., Ry. Exch. Bldg., St. Louis, Mo., 1 and 2 story, 50 x 380 ft., and 50 x 162 ft., rein.-con., Gable St., here, to T. J. Johnson, Sedalia, Mo., $250,000. Noted June 16

Wash., Seattle — FACTORY — Kenworth Motor Truck Corp., E. K. Worthington, pres., 506 Mercer St., 1 and 2 story and basement, concrete and timber on 120 x 240 ft. side, Yale Ave. and Mercer St., to C. J. Disler, Lumber Exch. Bldg., $100,000 cost plus percentage basis.

Calif., Camarillo—PACKING PLANT—Oxnard Citrus Assn., Oxnard, 1 story and basement, 100 x 110 ft., rein.-con., here, to D. J. Haire, 1051 South Manhattan Pl., Los Angeles, approximately $50,000.

Calif., Los Angeles—FACTORY—Standard Upholstering Co., Central Ave., 3 story, 91 x 140 ft., brick, 15th St. and Central Ave., to S. N. Benjamin, 718 East 16th St $49,700. Noted June 9.

Calif., Los Angeles—FACTORY—U. S Spring Co., Inc., 1124 S. Los Angeles St and U. S. Bumper Co., Inc., 1011 South Grand St., 1 story, 120 x 417 ft., rein.-con. and steel, 66,500 sq.ft. floor space, Magnolia Ave., to W. P. Neil Co., Inc., 4818 Loma Vista Pl. Archts. est. $100,000.

Calif., Los Angeles—FACTORY—Woolwine Metal Products Co., 2421 East 8th St., three 1 story, brick and steel buildings, 75,000 sq.ft. floor space, 52nd St., to Austin Co. of California, 777 East Washington St., approximately $90,000. Noted July 21.

Calif., Los Angeles—FACTORY—U. S. Spring Co., 1124 South Los Angeles St., and U. S. Rubber Co., 796 South San Pedro St., 1 story, 120 x 415 ft., rein.-con., Magnolia Ave., to W. P. Neil, Inc., 4814 Loma Vista, approximately $100,000.

Calif., Oakland—BAKING PLANT—Rose Bakery Co., 22nd and Myrtle Sts., 2 story, brick, 22nd St., to A. S. Rankin, 712 Haddon Rd., approximately $42,500.

Calif., Pacific Grove—FACTORY and WAREHOUSE—Amer. Can Co., Hunter-Dulin Bldg., San Francisco, will build 1 and 2 story, rein.-con., by day labor and sub-contracts. $600,000. Noted Apr. 7.

Calif., San Francisco — PAPER BOX FACTORY—J. H. Hjul (owner and engr.,) 128 Russ St., will build 115 x 160 ft., rein.-con., 1st St. and Guy Pl., by day labor. Approximately $60,000. Raisen & Zaruba, 986 Howard St., lessee.

Calif., Stockton—PLANT—Natl. Paper Products Co., 2 story, rein.-con. addition, to Barrett & Hilp, 918 Harrison St., San Francisco, approximately $100,000. Noted July 21.

Calif., Stockton—PLANT—Union Ice & Cold Storage Co., 354 Pine St., San Francisco, rein.-con. addition, on Mormon Channel, to Lindgren-Swinerton Co., 225 Bush St., San Francisco, approximately $150,000. Noted July 14.

Ont., Oshawa—AUTOMOBILE FACTORY—General Motors Co. of Canada, general contract, 2 and 3 story, 200 x 450 ft. rein. con. brick and steel, plain foundation, to Jackson Lewis Constr. Co., Ltd., Federal Bldg., Toronto. Archts. est. $750,000. Noted June 2.

Ont., Preston—BREWERY—Rock Brewery Co., general contract 1 to 5 story and basement, 50 x 200 ft., rein.-con., brick and steel, plain foundation, to Fred Constr. Co., 6 Hughson St. N., Hamilton. Archts. est. $150,000.

Ont., Toronto—GARAGE—Dundas Motor Sales, 2295 Dundas St. W., general contract 4 story, 50 x 115 ft., brick, rein.-con. and steel, to Anglo-Canadian Eng. Co. Ltd., 111 Adelaide St. W.; concrete work, to Ramsay Contg. Co., 39 Indian Crescent. Archts. est. $150,000. Noted June 23.

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Buildings—Educational, Religious

Proposed Work

N. H., Claremont—HIGH SCHOOL—Bd. Educ., F. H. Foster, chn., plans Senior and Junior High School, probably brick. $150,000 or more. Engineer and architect not selected.

Vt., Rutland — HIGH SCHOOL — Bd. Educ. having plans prepared by A. G. Creighton, 140 State St., New London, Conn., 128 x 214 ft., brick, steel and concrete, Liberty Ave. $400,000.

Mass., Beverly — LIBRARY — City, Library Comn., City Hall, plans library, probably brick and stone, Essex and Dane Sts. $150,000 or more. Engineer and architect not selected.

Mass., Billerica—SCHOOL—Town, M. A. Buck, chn. Building Com. plans school, Concord Ave. $150,000 or more. Engineer and architect not selected.

Mass., Brockton—CHURCH—St. Coleman's Roman Catholic Church, W. J. Fennessy, pastor, Wendell Ave., plans 1 story and basement, brick and stone, plain foundation, Wendell Ave. $150,000. Engineer and architect not selected.

Mass., Medford (Boston P.O.)—SCHOOL—Schoolhouse Com. had plans prepared by Desmond & Lord, 1 Beacon St., Boston, 2 story and basement, brick and stone, plain foundation, Wellington Dist. $150,000.

Mass., Medford (br. Boston)—HIGH SCHOOL—City, School Building Com., C. H. Lowell, chn., having plans prepared by C. B. Dunham, 6 Beacon St., Boston, 3 story and basement 65x240 ft. and 65x180 ft., brick, addition, plain foundation, Forest St. $600,000.

Mass., Newton Lower Falls (Ind. br. Boston)—SCHOOL—City, E. O. Childs, mayor, City Hall, Newton, having sketches made by Henry & Richmond, 12 West St., Boston, 2 story and basement, brick, plain foundation, Pine Grove Rd. and Grove St. $150,000 or more.

Mass., Revere (br. Boston)—CHURCH—Our Lady of Lourdes, J. Croman, pastor, having preliminary plans prepared by W. W. Drummey, Inc., 80 Boylston St., Boston, altering and constructing 1 story and basement, brick and stone addition, plain foundation. Endicott Ave., Beachmont Sect. $150,000.

Mass., Swansea—SCHOOL—Town, A. B. Almy, clk., Town Hall, plans 2 story and basement, brick and stone, plain foundation, $150,000. Engineer and architect not selected.

Mass., Walpole—HIGH SCHOOL—Town, Bd. Educ. takes bids about Aug. 9, 2 story and basement, irregular shaped brick and stone, addition, plain foundation, $275,000. McLaughlin & Burr, 88 Tremont St., Boston, archts. Noted July 14.

Mass., Wellesley — AUDITORIUM—Dana Hall School, H. T. Cooke, prin., 66 Grove St., having plans prepared by Henry & Richmond, 12 West St., Boston, 2 story, 60 x 100 ft., brick, plain foundation, here.

Mass., Williamstown — DORMITORY — Williams College, Inc., H. A. Garfield, pres., soon lets contract 3 story and basement, brick and steel, plain foundation, $150,000. Cram & Ferguson, 248 Boylston St., Boston, archts.

R. I., Edgewood (sta. Providence)—SCHOOL—Bd. Educ. having plans prepared by W. R. Walker & Sons, 49 Weybosset St., Providence, 2 story and basement, brick, plain foundation, Beachmont Ave. $150,000.

Conn., Meriden—NURSES HOME—Meriden Hospital, 181 Cook Ave., having preliminary plans prepared brick and steel nurses home. $150,000. L. Hamilton, 119 West Main St., archt.

Conn., New Haven—GYMNASIUM—Yale University, Athletic Assn., had plans prepared by Lockwood Greene & Co., 24 Federal St., Boston, Mass., 1 story, 160 x 300 ft., brick and steel, Maltby Ave. $200,000.

Conn., Newington—HOME—Home for Crippled Children, Cedar Hill, having plans prepared by Ebbets & Frid, 15 Lewis St., Bridgeport, additional units at Newington Crippled Childrens' Home. $300,000. Greenwood & Noerr, 847 Main St., Hartford, engr.

N. Y., Greece—SCHOOL—Town, A. L. Clifford, trustee, McCall Rd., Bernard, takes bids about Aug. 15, school addition, in Dist. 15, here. $150,000. C. C. Ade, Gas & Electric Bldg., Rochester, archt.

N. J., Midland Park (br. Ridgewood)—SCHOOL—Bd. Educ., Municipal Bldg., Godwin Ave., having plans prepared 3 story, brick and steel, plain foundation, Van Auken Tract, $250,000. Engineers and architects names withheld.

N. J., New Brunswick—DORMITORIES, etc.—New Jersey State College for Women having plans prepared by Ludlow & Peabody, 101 Park Ave., New York City, 2 dormitories, 1 infirmary, and 1 power plant. To exceed $150,000.

N. J., Oradell—HIGH SCHOOL—Bd. Educ., Linden Ave., having revised plans prepared by Coffin & Coffin, 522—5th Ave., New York City, 3 story, brick and steel, plain foundation. $375,000. Noted Apr. 21.

Pa., Phila.—SCHOOL—Archidocese of Philadelphia, D. Dougherty, cardinal, 18th and Sumner Sts., having plans prepared by Hoffman & Henon, Finance Bldg., 4 story and basement, 220 x 320 ft., rein.-con. and brick, plain foundation, 10th and Luzerne Sts. $1,500,000.

Md., Baltimore — PHYSICS LABORATORY—Johns Hopkins University, Charles St., plans 4 story, 57 x 150 ft., brick and stone, plain foundation, Charles St. $300,000. Wyatt & Nolting, Keyser Bldg., archts. H. F. Doellman, 516 N. Charles St., engr.

D. C., Wash.—COLLEGE—St. Albans Natl. Episcopal Cathedral, having plans prepared by Frohman, Robb & Little, 140 Boylston St., Boston, Mass., college. $250,000.

Ga., Atlanta—SCHOOLS—Bd. Educ., c/o R. R. Ritchie, 41 Walker St., soon takes bids Hoke Smith Junior High School (2nd unit) $200,000, Ormewood School $75,000, Stanton School $55,000, Stewart Ave. School addition $110,000, and Rockdale School $17,000, all brick; also Davis St. School, timber, $10,000. G. L. Preacher, Wynne Claughton Bldg., archt.

Ga., Rabun Gap — SCHOOLS — Rabun-Nacoochee School Dist., c/o R. O. Campbell, 238 Marietta St., Atlanta, having plans prepared by W. J. J. Chase, 140 Peachoce St., Atlanta, 5 unit 1 and 2 story brick and rein.-con., central building, 2 dormitories, chapel and dining hall.

La., Shreveport — HIGH SCHOOL — Caddo Parish Bd. Educ. c/o E. W. Jones, supt., 617 Edwards St., having preliminary plans prepared by E. F. Nield, 1206 City Bank Bldg., Junior High School, 2 story and basement, rein.-con., brick and steel, near State Fair Grounds. $350,000.

La., Winnfield—HIGH SCHOOL—Winnfield Parish School Bd., S. S. Sikes, supt., voted $160,000 bonds, brick and concrete high school. Noted Mar. 24.

Tenn., Nashville — CHURCH — Second Church of Christ (Scientist), 24th and West End Sts., having plans prepared by Marr & Holman, Stahlman Bldg., brick and stone church. $150,000.

O., Cincinnati—SCHOOL—Bd. Educ., Denton Bldg., having plans prepared by Fechheimer & Ihorst, Schmidt Bldg., 2 story and basment, brick and rein.-con., plain foundation, Eastern St. $315,000.

O., Cleveland Heights (Warrensville P. O.)—SCHOOL—Bd. Educ. c/o W. G. Nesbit, dir., 14387 Superior Rd., having plans prepared by J. H. Graham & Co., 1612 Euclid Ave., Cleveland, 2 story and basement, brick, steel and concrete, Canterbury Rd. $300,000.

Ind., Knightstown — SCHOOL — Orphans Home having plans prepared by McGuire & Shook, 941 North Meridian St., Indianapolis, 2 story and basement, rein.-con. and brick school. $150,000.

Ind., Lafayette—DORMITORY—Purdue University, R. B. Stewart, controller, having plans prepared by W. Scholer, Painters Bldg., Franklin Levering Gary Memorial Hall, rein.-con., brick and steel. $200,000.

Ill., Rock Island—SCHOOL—Bd. Educ., J. F. Whittier, pres., takes bids in September or October, 2 story and basement, 110 x 160 ft., rein.-con. and brick, 9th St. and 42nd Ave. $160,000. Cervin, Horn & Stuhr, Safety Bldg., archts. Noted July 14.

Ill., Rock Island—HIGH SCHOOL—Bd. Educ., E. F. Burch, clk., purchased site and having plans prepared by Cervin, Horn & Stuhr, Safety Bldg., Senior High School, 3 story, rein.-con., brick and stone, also athletic field, between 12th and 17th Sts., 23rd and 25th Aves. $1,000,000. Noted July 14.

Wis., Green Bay—CHURCH—Green Bay Grace Church, M. M. Walter, pastor, 624 Stuart St., plans rein.-con. and brick church and chapel, plain foundation, here. $150,000. Engineer and architect not selected.

Wis., Madison — CLUB HOUSE and COMMUNITY CENTER — University of Wisconsin having sketches made by Flad & Moulton, 110 East Washington Ave., clubhouse and community center. $175,000.

Wis., Racine—HIGH SCHOOL—A. H. Schafer, secy. Bd. Educ., having revised plans prepared by J. M. Matson, 528-38 Baker Blk., William Horlick High School, 4 story and basement, rein.-con., steel and stone, plain foundation, Southside. $500,000. Former bids rejected. Noted Dec. 30.

Minn., Mankato—SCHOOLS—St. Peters & St. Pauls Church having plans prepared by O'Meara & Hills, 1611 Pioneer Bldg., St. Paul, two 2 story and basement, rein.-con., and brick schools. $100,000 each.

Kan., Lindsborg—MUSIC HALL and CONSERVATORY—Bethany College, soon takes bids, 2 story and basement, 118 x 188 ft. rein.-con., brick and stone music hall and conservatory. $200,000. H. C. Eckland & Co., 705 Finance Bldg., Kansas City, Mo., archts. Noted Jan. 21, 1926.

Neb., Nebraska City—HIGH SCHOOL—Voted $175,000 bonds, constructing high school for Bd. Educ., F. Heller, secy. Noted June 2.

Mo., Clayton — CONVENT — Carmelite Convent, 18th and Victor Sts., St. Louis, soon takes bids 2 story and basement, 150 x 200 ft., rein.-con., brick, terra cotta and cut stone, Clayton and Price Rds. $240,000. O'Meara & Hills, Arcade Bldg., St. Louis, archts.

Mo., Jefferson City — COLLEGE — Lincoln University, T. C. Tull, secy., 701 Chestnut St., plans brick building. $150,000. Engineer and architect not selected.

Tex., Brownsville—HIGH SCHOOL—Bd. Educ. takes bids after Aug. 5, 2 story, rein.-con. and brick, high school. $350,000. A. B. & R. M. Ayres, 626 Bedell Bldg., and Phelps & DeWees, 718 Gunter Bldg., San Antonio, archts. Noted June 16.

Tex., Brownsville—HIGH SCHOOL—Bd. Educ. had plans prepared by Phelps & DeWees, 718 Gunter Bldg., San Antonio, and soon takes bids Junior High School, 2 story and basement, rein.-con., brick, and stone, $325,000. Noted June 16.

Tex., Dallas—CHURCH—Highland Park Presbyterian Congregation, W. A. Alexander, pastor, 3805 Mockingbird Lane, having preliminary plans prepared by M. Lemmon, 407 Const.-Ind. Bldg., rein.-con., brick and stone, Highland Park, Union Blvd. and Turtle Creek. $250,000.

Tex., Dayton—HIGH SCHOOL—J. Finger, archt., 422 Keystone Bldg., Houston, prepared plans and soon takes bids 2 story, brick, stone and rein.-con. high school, for Bd. Educ. $150,000.

Tex., Goose Creek—HIGH SCHOOL—H. D. Payne, archt., 1600 Washington Ave., Houston, preparing plans and soon takes bids Senior High School, here, for Goose Creek Ind. School Dist. $150,000.

Tex., Harrisburg—SCHOOL—Harrisburg Pub. Schools having plans prepared by L. A. Glover, Binz Bldg., Houston, 2 story school, Bway. $260,000.

Tex., Lubbock—ENGINEERING—Texas Technological College, c/o E. W. Provence, secy., having plans prepared by W. C. Hendrick, 1005 1st Nat. Bank Bldg., Fort Worth, rein.-con., brick, steel and stone engineering building. $240,000.

Tex., San Angelo—CHURCH and SUNDAY SCHOOL—First Baptist Congregation, c/o E. Ridgeway, pastor, having preliminary plans prepared 3 story and part basement church and sunday school. $150,000. Engineer and architect not selected.

Tex., San Angelo—COLLEGE—Bd. Educ., takes bids after Aug. 5, Junior College, 2 story and basement, rein.-con and brick, plain foundation, $250,000. Phelps & DeWees, Gunter Bldg., San Antonio, archts. Noted June 30.

Tex., San Antonio—EDUCATIONAL—Laurel Heights Methodist Congregation, W. H. Chambers, chn. building com., soon takes bids 3 story and basement, rein.-con., brick, stone and tile, Woodlawn Ave. and Belknap Pl. $200,000. Adams & Adams, Builders Exch. Bldg., archts. Noted Apr. 14.

Tex., San Antonio—SCHOOL and AUDITORIUM—San Fernando Cathedral, c/o C. Torrente pastor, having plans prepared by L. M. J. Dielmann, 305 East Commerce St., 3 story part basement, rein.-con., brick and steel, plain foundation. $150,000.

Okla., Tulsa—SCHOOL—Bd. Educ. has plans prepared by L. I. Shumway, 712 Alexander Bldg., rein.-con., brick, steel and stone school. $150,000.

Wash., Vancouver — SCHOOLS — Voted $225,000 bonds, Junior High School, and improving other schools, for Bd. Educ.

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Buildings—Educational, Religious (Cont.)

Calif., Glendale — CHURCH — Central Christian Church having preliminary plans prepared by R. H. Orr, 1300 Corporation Bldg., Los Angeles, 4 story and basement, 100 x 150 ft., brick, steel and stone, 305 East Colorado St. $150,000.

Calif., San Francisco—CHURCH—Roman Catholic Archbishop, 1100 Franklin St., having preliminary plans prepared by Shea & Shea 454 Montgomery St., 120 x 245 ft., rein.-con., Judah St. and Funston Ave. $250,000.

B. C., Vancouver—TECHNICAL SCHOOL—Bd. School Trustees, Hamilton and Dunsmuir Sts., having plans prepared by F. A. A. Barns, c/o owner, concrete, brick and tile school. $500,000 bonds voted for same.

B. C., Vancouver—SCHOOLS—Bd. School Trustees. Hamilton and Dunsmuir Sts., having plans prepared by F. A. A. Barrs, Hamilton and Dunsmuir Sts., and takes bids about Aug. 11, 3 story, 12 room, rein.-con., brick and tile additions to Laura Second and Beaconsfield Schools. $270,000. P. P. Brown, 407 London Bldg., engr.

Bids Desired

Mass., Long Island (Ind. sta. Boston)—NURSES HOME—Aug. 17, by W. S. Kinney, comr. City Hall, Boston, 3 story and basement, brick and stone, plain foundation, $150,000. J. H. Ritchie & Associates, 250 Stuart St., Boston, archts. Noted Feb. 17.

Mass., Roxbury (br. Boston)—CONVENT—Mission Church, J. P. O'Leary, taking bids altering and constructing 3 story and basement, brick and stone, addition, plain foundation, Smith St. $150,000. F. T. Untersee, 585 Boylston St., Boston, archt.

R. I., Cranston — SCHOOL — City, Bd. Educ., taking bids, 2 story and basement, brick, plain foundation, Beachmont Ave., Edgewood, here. $150,000. W. R. Walker & Sons, 49 Weybosset St., Providence, archts.

Conn., Bridgeport—CHURCH—Aug. 22, by First Methodist Church, C. C. Marshall, pastor, brick and stone, Harrison and Golden Hill Sts. $500,000. E. G. Southey, 983 Broad St., archt., Allen & Collens, 75 Newbury St., Boston, Mass., associated archts. Noted June 2.

Pa., Phila.—SCHOOL—Aug. 9, by Bd. Educ. and J. D. Cassell, supt., buildings, two 3 story and basement 63 x 106 ft. rein.-con. and brick additions to Howard Furneso School, plain foundation, 32nd and Mifflin Sts. I. T. Catharine, 19th and Chestnut Sts., archt.

Pa., Phila.—SCHOOL—Aug. 9, by Bd. Educ., J. D. Cassell, supt. buildings, 19th and Chestnut Sts., Trade School, 5 story and basement, 156 x 164 ft., rein.-con. and brick, plain foundation, Frankford and Clementine Sts. I. T. Catharine, 19th and Chestnut Sts., archt. $1,000,000.

Ga., Rome—SCHOOL—Aug. 11, by Berry Schools, 2 story and basement, brick, stone and rein.-con. school. $500,000. Coolidge & Carlson, State St., Boston, Mass., archts.

O., Cleveland Heights (Warrensville P. O.)—CHURCH—W. G. Caldwell, archt., Engineers Bank Bldg., Cleveland, taking bids 1 story, 54 x 100 ft., brick, steel and stone, Taylor Rd., for Trinity Congregational Church, J. F. Heffner, pastor, 1565 East 117th St., Cleveland. $200,000.

Ind., Elkhart—HIGH SCHOOL—School Comrs., H. Compton, pres., taking bids 2 story and basement, 83 x 123 ft., rein.-con., brick and steel high school. $150,000. H. Miller, 531 Monger St., archt.

Mich., Ann Arbor—ATHLETIC—Smith, Hinchman & Grylls, archts., 800 Marquette Bldg., Detroit, taking bids 1 story and basement, 110 x 414 ft., rein.-con. and steel, plain foundation, University campus, here, for University of Michigan.

Mich., Flint—HIGH SCHOOL—Aug. 9, by J. W. McCue, secy. Bd. Educ., 909 Flint P. Smith Bldg., Junior High School, 3 story, brick, steel and rein.-con., Chevrolet Ave., $400,000. Malcolmson & Higginbotham, 904 Flint P. Smith Bldg., archts. Noted July 28.

Mich., Pontiac—SCHOOL—Aug. 5, by McGrath, Dohmen & Page, archts., 2231 Park Ave., Detroit, 2 story and part basement, rein.-con., brick and steel, plain foundation, Southfield Rd., for Lathrop Sub-division School Bd., Oakland Co. $150,000.

Ark., Lonoke—COURTHOUSE and JAIL—Aug. 1, by Court House Comn., Lonoke Co., 3 story, 62 x 215 ft. rein.-con., brick and stone, here. E. M. High, co. judge. H. R. Burk, Room 307, Southern Trust Bldg., Little Rock, archt. Noted Jan. 6, 1926.

Tex., Harrisburg—HIGH SCHOOL—I. A. Glover, archt., 623 Binz Bldg., Houston, taking bids Junior High School, 2 story, 12 room, here, for Bd. Educ. J. O. Webb, supt. $250,000. Noted July 14.

Calif., Glendale—CHURCH—See "Contracts Awarded."

Calif., Huntington Park—HIGH SCHOOL—Trustees Huntington Park Union High School Dist. taking bids part 1 and 2 story, 160 x 160 ft. gymnasium, 60 x 75 ft. swimming pool, etc., all brick and concrete. G. M. Lindsey & E. P. Eiden, 1008 West 6th St., Los Angeles, associated archts.

Contracts Awarded

N. H., Concord—NURSES HOME—State Building Comn., C. H. Dolloff, supt. Hospitals, 3½ story and basement, 40 x 115 ft., and 35 x 60 ft., rein.-con. and stone plain foundation, at New Hampshire State Hospital, to Cummings Constr. Co., 14 Prospect St., Ware. Archts. est. $150,000. Noted June 23.

N. H., Manchester—DORMITORY—New Hampshire Industrial School, 3 story and basement, brick, plain foundation, North River Rd., to Davison & Swanberg, 37 Amherst St. archts. est. $150,000. Noted July 6.

N. H., Nashua—PARISH HOUSE—Church of Good Shepard, W. B. Niles, pastor, 3 story and basement, brick and stone, plain foundation, to S. Belanger & Son, Inc., 308 Main St. Archts. est. $150,000. Noted July 21.

Mass., Amherst—LIBRARY—Town, c/o Putnam & Cox, archts., 114 State St., Boston, 3 story and basement, brick and stone, plain foundation, to Casper Ranger Const. Co., 20 Bond St., Holyoke. Archts. est. $250,000. Noted June 30.

Mass., Cambridge (br. Boston)—DORMITORIES — Massachusetts Institute of Technology, S. W. Stratton, pres., 222 Memorial Dr., two 5 story and basement, rein.-con., brick and limestone, plain foundations Technology Grounds, to Chase & Gilbert, 250 Stuart St., Boston. Archts. est. $600,000. Noted June 30.

Mass., Cambridge (Boston P. O.)—SCHOOL—St. Peter's Parish, P. H. Callanan, pastor, 3 story and basement, 80 x 180 ft., brick, steel and stone, Concord Ave., to E. T. Madden, 17 Allen Rd., Wellesley. Archts est. $300,000.

Mass., Cambridge (Boston P.O.)—SCHOOL—W. B. Colleary, archt., 80 Boylston St., Boston, 3 story and basement, 80 x 180 ft. brick and steel, plain foundation, Buckingham St. and Manassas Ave., here, to E. T. Madden, 17 Allen Rd., Waltham, for St. Peters Roman Catholic Parish, 31 Buckingham St. Archts. est. $200,000. Noted June 9.

Mass Hopedale — HIGH SCHOOL — Town, School Com., 2 story and basement, brick and stone, plain foundation, Adess St., to E. H. Porter Co., 15 Wallis St., Peabody. Archts. est. $150,000 or more. Noted June 2.

Mass., Malden (Boston P.O.)—SYNAGOGUE—Congregation Beth Israel of Malden, c/o Eisenberg & Feer, archts., 46 Cornhill, Boston, altering and constructing 1 story and basement, brick and rein.-con. addition, plain foundation, Faulker St. and Eastern Ave., to H. Lilly, 49 Boylston St., Malden. Archts. est. $150,000. Noted June 30.

R. I., Howard — DORMITORY — Dept. Pub. Welfare, State House, Providence, 3 story and basement, brick, plain foundation, at State Hospital for Mental Diseases, here, to A. F. Smiley Constr. Co., Oak Hall Bldg., Pawtucket. $150,000 or more. Noted July 14.

Conn., Waterbury—SCHOOL—St. Margaret's School, 3 story and basement, 70 x 180 ft., brick, steel and stone, Bradleyville Rd., to Tracy Bros. Co., 52 Benedict St. Archts. est. $300,000. Noted July 7.

N. Y., Brooklyn—NURSES HOME—Dept. Pub. Welfare, Municipal Bldg., New York City. general contract nurses home at Coney Island Hospital, to Lane Ogle Co., 9 Park Pl., New York City, $384,800. Noted Sept. 9.

N. Y., New York—SCHOOL—Lincoln School of Teachers College, 425 West 123rd St., brick and steel school adjoining 425 West 123rd St., to Hegeman-Harris Co., Inc., 360 Madison Ave., archts. est. $500,000. Noted May 26.

N. Y., West New Brighton (sta. Staten Island)—SCHOOL—School of Blessed Sacrament, 2 story and basement, brick and steel, plain foundation, to E. E. Paul, 104 East 41st St., New York City. Archts. est. $175,000.

N. J., Hackensack—CHURCH—R. Hume, archt., 247 Park Ave., New York City, general contract 1 story, 75 x 100 ft., brick and steel, plain foundation, here, to E. M. Waldron, Inc., 27 Central Ave., Newark, for Church of Holy Family, Maple Ave. $150,000. Noted June 23.

N. J., Roselle (Ind. br. Elizabeth)—SCHOOL—Bd. Educ., Boro Hall, general contract 2 story and basement, 112 x 139 ft., brick and steel, plain foundation, 5th and Washington Aves., to W. Jensen, 643 Linden Ave., Woodbridge, $119,824. Noted June 23.

Pa. Emlenton — HIGH SCHOOL—Bd. Educ., and Crosby & Crosby, archts., Oil City, general contract 2 story and basement, irregular shaped, brick and steel, to G. Schenck & Son, Butler. Archts. est. $200,000. Noted June 30.

Pa., Mt. Airy—GYMNASIUM—Mellor, Meigs & Howe, archts., 205 South Juniper St., Phila., 2 story, gallery and basement, 66 x 106 ft., rein.-con. and brick plain foundation, to H. H. Burrell & Son, 206 South Quince St., Phila., for Pennsylvania Institute for Deaf, here. Noted July 21.

Pa., New Castle—HIGH SCHOOL—Bd. Educ., c/o A. L. Thayer, archt., Junior High School, 3 story and basement, 157 x 305 ft., brick, steel and concrete, to J. Clyde Gilfillan Lumber Co., New Castle, $418,333. Noted July 21.

Pa., Pittsburgh—HIGH SCHOOL—Bd. Educ., Fulton Bldg., general contract, 1 and 2 story and basement, irregular shaped, stone and steel addition, Brighton Rd., to J. G. Fullman Co., East End Savings & Trust Bldg., $368,000; heating, to Ryan Heating Co., 53 Tunnel St., $66,980; wiring, to G. L. Craig Elec. Co., Ferguson Bldg., $29,885; and plumbing, to W. N. Sauer Plumbing Co., $36,000. Grand total $500,865. Noted Feb. 24.

Pa., Wilkinsburg—HIGH SCHOOL—School Dist. and T. Scott, archt., 230 5th Ave., Pittsburgh, general contract, 2 story and basement, 100 x 180 ft., brick and steel addition, Wallace Ave., to J. G. Fullman Co., East End Savings & Trust Bldg., Pittsburgh, $419,000; heating, to F. E. Giesler Co., Pittsburgh, $67,700 and electrical work to Axthelm Elec. Co., 209 4th Ave., Pittsburgh, $27,512. Grand total $514,212. Noted Feb. 3.

W. Va., Morgantown—MEN'S FIELD HOUSE—West Virginia University, 1 story and gallery, 120 x 382 ft., rein.-con., brick and steel, concrete pile foundation, to Forman & Putman, Marietta, O.

O., Dayton—HIGH SCHOOL—Bd. Educ., Junior High School, 2 story and basement, brick and rein.-con. plain foundation, to H. R. Blagg Co., 1229 East 3rd St., $446,870. Noted June 23.

Ind., Attica—HIGH SCHOOL—School Comrs. general contract rein.-con., brick and steel high school, incl. gymnasium and auditorium, etc., to C. Schendel, Danville, Ill. $170,000. Noted Nov. 18, 1926.

Ind., Oakland City—HIGH SCHOOL—School Trustees, J. W. Cockrum, secy., general contract 2 story and basement, 175 x 200 ft. high school, to E. G. Hammerlein, Jasper, $165,000. Noted Apr. 7.

Mich., Detroit—SCHOOLS—Bd. Educ., 1354 Bway., masonry contract for two 2 story and basement, rein.-con. brick and steel, plain foundations, one 441,094 cu.ft. floor space, Atkinson site, and other 441,094 cu.ft. floor space, Steelwegen site, to W. H. Mueller, 2111 Woodward Ave., $109,250 and $110,930 respectively; heating, to Card & Dawson, 3922 Garland Ave., $37,978 and $37,756 respectively. Grand total $298,914. Noted June 16.

Wis., Green Bay—HIGH SCHOOL—Bd. Educ., I. H. McIntire, supt., 3 story and basement, 240 x 280 ft., rein.-con., brick and steel, plain foundation, here, to M. Madsen, 702 Natl. Bldg., Minneapolis, Minn. Archts. est. $700,000.

Wis., Kenosha—SCHOOL—Bd. Educ., Roosevelt Road School, 2 story and part basement, 118 x 190 ft., rein.-con., brick and Bedford stone, plain foundation, here, to Pehrson Bros., 555 Gateway Bank Bldg., Minneapolis, Minn. $217,450.

Wis., Kenosha—SCHOOL, GYMNASIUM and AUDITORIUM—Bd. Educ., E. F. Powers, secy., general contract 2 story and basement, brick and stone, Salem Ave., to Pehrson Bros., 555 Temple Court Bldg., Minneapolis, Minn., $206,800. Noted Dec. 16.

Wis., La Crosse—HIGH SCHOOL—Parkinson & Dockendorff, archts., Linker Bldg., 2 story and basement, 80 x 170 ft., rein.-con., brick and Bedford stone, to Nelson & Son, La Crosse for Diocese of La Crosse. $123,600. Noted May 19.

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Buildings—Educational, Religious (Cont.)

Wis., Milwaukee—SCHOOL—Bd. Industrial Educ., E. O. Michl, secy., masonry contract for Central Continuation School (unit 3), 6 story and basement, 166 x 220 ft., brick and steel, 6th and Highland Sts., to W. T. Bucholz, Milwaukee, $203,000; carpentry, to Bentley Bros., Inc., 808 South Pierce St., $113,000; and electrical work, to Magaw Electric Co., 422 Jefferson St., $41,000. Grand total $357,000. Noted June 16.

Wis., Milwaukee—SCHOOL—Bd. Educ., excavation, concrete and masonry contract for Fernwood School, 4 story and basement, 125 x 131 ft., rein.-con., brick and steel, plain foundation, Penna Ave. and Heath Pl., to Paul Riesens & Sons, 1018 Humboldt Ave., $151,212; carpentry, to Loatsch Bros., Milwaukee, $47,500; heating and ventilating, to Wenzel & Henoch Constr. Co., 49th and State Sts., $39,490. Grand total $238,202. Noted June 16.

Wis., Racine—SCHOOL—Bd. Educ., A. H. Shafer, secy., general contract 3 story and basement, rein.-con. and brick school, here, to W. Christensen Constr. Co., Racine, $581,132. Noted June 9.

Minn., Minneapolis — PARISH HOUSE and SACRISTY—Basilica of St. Mary 1623 Laurel Ave., general contract 3 story and basement parish house, and 1 story and basement sacristy, both rein.-con. and brick, 17th St. N. between Hennepin and Laurel Aves to McGough Bros., 1945 Jefferson St., St. Paul. Archts. total est. $150,000. Noted Jan. 27.

Mo., St. Louis — DENTAL SCHOOL — Washington University, Skinker and Forsythe Blvds., 4 story, rein.-con., brick and terra cotta, Scott Ave. near Euclid Ave., to Dickie Constr. Co., Syndicate Trust Bldg., Archts. est. $250,000. Noted July 21.

Mo., St. Louis—DORMITORY—Washington University, Forsythe and Skinker Blvd., general contract 3 story and basement, 53 x 190 ft. dormitory containing 64 x 125 ft. gymnasium, red granite, rein.-con. and Bedford stone, to Woermann Constr. Co., Syndicate Trust Bldg. Archts. est. $250,000. Noted June 30.

Tex., College Station—DORMITORIES—A. & M. College, c/o F. M. Law, pres. bd. directors, Austin, 3 story, 34 x 39 ft., rein.-con. brick and tile, plain foundation, here to San Antonio Constr. Co., 906 Builders Exch. Bldg., San Antonio approximately $275,000. Noted June 9.

Okla., Ardmore — CHURCH—Broadway Baptist Congregation, general contract 3 story and basement, rein.-con., brick and stone, to R. J. Ridpath, Ardmore, approximately $150,000. Noted May 5.

Calif., Glendale—CHURCH—First Methodist Episcopal Church, will build 1 story with 130 ft. tower, approximately 150 x 200 ft., rein.-con., 2,500 seating capacity, Kenwood St. and Wilson Ave., by day labor. $400,000. Noted June 10.

Calif., Pomona — ACADEMY — P. K. Schabarm, archt., 409 Equitable Bldg., Los Angeles, 2 story and basement, 130 x 275 ft., brick, Holt Ave., here, to Campbell Constr. Co., Ontario, for Sisters of Academy of Holy Names. $164,700. Noted July 7.

Calif., Redlands—HIGH SCHOOL—Bd. Trustees Redlands School Dist., new Junior High School, here, to B. F. Farley, San Fernando Blvd., Burbank, $69,789. Noted Feb. 24.

Ont., Cochrane—HIGH SCHOOL—High School Bd., general contract, 3 story and basement, brick, rein.-con. and steel, plain foundation, to L. Cain, 16 Fairview Ave., Toronto. Archts. est. $160,000.

Ont., Fergus — HIGH SCHOOL — Bd. Educ., 2 story, 100 x 160 ft. brick, incl. laboratories, St. Andrew St., to G. H. Thomas & Son, Main St., Galt, $82,025. Steam heating.

Ont., Timmins—SCHOOL—High School Bd., general contract, 3 story and basement, 12 room, rein.-con., brick and steel addition, plain foundation, to Hill, Clarke & Francis, New Liskeard; steel, to Hamilton Bridge Wks., Bay St., N., Hamilton. Archts. est. $160,000. Noted May 25.

Ont., Toronto—SCHOOL—Bd. Educ., 155 College St., Western Technical School and High School of Commerce, here, concrete, brick, steel and cut stone masonry, to F. Holmes & Son, 331 Bay St., $390,820; carpentry, to F. Wilson, 22 Bank St., $86,980; structural steel, to McGregor & McIntyre, 1169 Shaw St., $100,240; steel joists, to Sarnia Bridge Co., Federal Bldg., $51,000; plastering, E. A. Murphy 209 De Grassi Ave., $56,000; plumbing, to H. Griffiths & Co., 1128 College St., $53,107; heating, to W. F. Clifton & Co., 313 Brock Ave., $72,800; and wiring, to E. L. Roxborough, 24 Bloor St. W., $53,733; ventilating, to Canadian Rogers Sheet Metal & Roofing Co., 918 Palmerston Ave., $43,583. Grand total $908,263. Noted

Que., Montreal—SCHOOL—Roman Catholic School Comn., St. Catherine St., for St. Vincent Ferrier School, Drolet St., to Chauvin & Girard, 134 Darling St., $179,850. Noted Apr. 14.

Que., St. Titeville—CHURCH—Roman Catholic Congregation, 50 x 90 ft. brick, stone and steel church, to A. & J. Girout, St. Marc des Carrieres, $150,000.

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Federal Government Work

Proposed Work

N. Y., New York—Doors—Spec. 5389—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans vertical rolling steel doors at Navy Yard, here.

Cuba, Guantanamo Bay—Gasoline Tank—Spec. 5384—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans 90,000 gal. steel gasoline tank at U. S. Naval Station, here.

Bids Desired

Mass., Woods Hole—Dredging—Aug. 17, by U. S. Engineers Office, Providence, R. I. dredging in Little Harbor, here; adv. E. N.-R. Aug. 4.

N. Y., Beacon—Road—Aug. 16, by U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., concrete service road to Semi-Ambulent Quarters at U. S. Veterans' Hospital 98, at Castle Point, near here; adv. E. N.-R. Aug. 4.

N. J. Millville—Post Office—Aug. 31, by Treas. Dept., at office Supervising Archt., Wash., D. C., constructing U. S. Post Office, here, adv. E.N.-R. Aug. 4.

Va., Yorktown—Roads—Spec. 5324—Aug. 24, by Bureau Yards & Docks, Navy Dept., Wash., D. C., constructing sand-clay roads, log bulkhead and timber trestle bridge at Navy Mine Depot, here; adv. E. N.-R. Aug. 4.

Tenn., Nashville—Gates—Sept. 6, by U. S. Engineer Office, 4 steel lock gates; adv. E. N.-R. Aug. 4.

Ky., Louisville—Gates—Sept. 1, by U. S. Engineer, Office, P. O. Box 72, fabricating and erecting gates for Locks 51 and 53, Ohio River, here; adv. E. N.-R. Aug. 4.

Mich., Detroit — Mezzanine Floor — Aug. 24, by Treas. Dept., at office Supervising Archt., Wash., D. C., mezzanine floor at U. S. Post Office, here; adv. E. N.-R. Aug. 4.

Ill., Great Lakes (br. Waukegan)—Chimney—Spec. 5413—Aug. 24, by Bureau Yards & Docks, Navy Dept., Wash., D. C. chimney at Naval Training Station, here. Noted July 21.

Ill., Great Lakes—Heating Plant—Spec. 5404—Aug. 24, by Bureau Yards & Docks, Navy Dept., Wash., D. C., heating plant at U. S. Naval Training Station, here; adv. Aug. 4. Noted July 28.

Wyoming—Road—Aug. 8, by J. W. Johnson, dist. engr. Bureau Pub. Rds., Denver, Colo. grading, etc. 7.6 mi. Encampment Sect. of Encampment Slatic, Natl. Forest Rd. Project, Carbon Co.

T. H., Oahuth—Hospital, etc.—Aug. 15, by W. McK. Scoot, Constr. Div. Fort Shafter, isolation hospital, storehouse, office ward, and one prison and insane ward, at Schofield Barracks, here.

Contracts Awarded

Rhode Island—Dredging—U. S. Engineers Office, Providence, dredging and rock removal in Pawtucket River, to P. Sanford Ross, Inc., 277 Washington St., Jersey City, N. J., $51,323. Noted June 2.

Conn., New Haven—Water Supply—Treas. Dept., at office Supervising Archt., Wash., D. C., water supply at U. S. Post Office, here, to R. J. Carlona, 535 Columbus Ave., $14,708. Noted June 9.

New Jersey—Dredging—U. S. Engineer Office, Wilmington, Del., dredging in Woodbury and Mantua Creeks, here, to Delaware Dredging Co., 139 South 3rd St., Phila., Pa., $16,090. Noted June 9.

Va., Alexandria—Repairing Pier—Spec. 5368—Bureau Yards & Docks, Navy Dept., Wash., D. C., repairing and rebuilding pier at Naval Torpedo Assembly Plant, here, to McLean Constr. Co., 1415 Fidelity Bldg., Baltimore, Md., $14,887. Noted July 14.

N. C., Oteen—Water Tank—U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., steel tank at U. S. Veterans' Hospital, here, to Pittsburgh-Des Moines Steel Co., Curry Bldg., Pittsburgh, Pa., $7,580. Noted June 23.

Miss., Vicksburg—Levee Work—Third Mississippi River Dist., P. O. Box 404, 6,905,000 cu.yd. levee work, Items 1 and 3, to Owen & Gaddis, Jackson, $238,969; Item 5, to T. W. Roach, North Memphis Savings Bank Bldg., Memphis, Tenn., $22,750; Item 7, to Denison, Brown & Wooton, Vicksburg, $58,320; Item 11, to Sternberg Dredging Co., Arcade Bldg., St. Louis, Mo., $165,750, and Item 12, to R. T. Clark & Co., Inc., J. W. Noble, and R. P. Harris, Natchez, $23,820. Grand total $509,609. Noted June 30.

Tenn., Memphis—Levee Work—U. S. Engineer Office, levee work in Lower St.

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Federal Government Work (Continued)

Francis Levee Dist., to T. W. Roach, North Memphis Savings Bank Bldg., $26,082.

O., Chillicothe—Storehouse—U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., constructing storehouse, at U. S. Veterans' Bureau, here, to Chappelear-Gardner Co., Portsmouth, $21,115. Noted June 23.

Missouri and Minnesota—Towboat Inland Waterways Corp., Wash., D. C., steel towboat for use on Upper Missisippi River) here, to Dubuque Boat & Boiler Co., Dubuque, Ia., $168,375.

Missouri—Earthwork—District Engineer Northern Mississippi River Comn., Custom House, St. Louis, levee work in Levee Dist. 2, Perry Co., to McWilliams Dredging Co., 332 South Michigan Ave., Chicago, Ill., $60,840. Noted June 23.

Mo., Miami—Dikes—U. S. Engineer Office, 707 Postal Telegraph Bldg., Kansas City, dikes in Miami Bend, Missouri River, here, to Woods Bros. Constr. Co., 132 South 13th St., Lincoln, Neb., $77,127. Noted June 23.

Calif., Oakland—Dredging—U. S. Engineer Office, Custom House, San Francisco, dredging in Oakland Harbor, here, to Amer. Dredging Co., 255 California St., San Francisco, Area B, $106,948. Noted June 9.

Unclassified

Proposed Work

Pier—Boston, Mass. — Commonwealth Co. of Massachusetts, plans timber pier to connect existing wharf with shore in Boston Wharf at Deer Island. $25,000. Metropolitan Dist. Com., 1 Ashburton Pl., engr.

Athletic Field—Clinton, Mass.—Town, J. C. McMahon, chn. building com. plans improving Fuller Athletic Field, incl. new concrete grandstand, relocating baseball diamond, etc. $25,000. Engineer not selected.

Transmission Line, etc. — Virginia and North Carolina—Virginia Electric & Power Co., 700 East Franklin St., Richmond, Va., J. F. McLaughlin, secy., plans improving system, incl. underground transmission line and transformer substation, etc. $6,652,339.

Lighting System — Albany, Ga. — See "Sewers."

Mains — Austin, Minn. — Making plans 4,000 ft. mains for central heating plant. Address City Engineer.

Grain Elevator — Minneapolis, Minn. — City plans 1,000,000 bu. rein.-con. grain elevators, foot Washington Bridge, at Mississippi River Terminal. $150,000. N. W. Elsberg, city engr.

Undergrade Crossing — St. Louis, Mo. — City and Missouri Pacific R.R. Co., E. A. Hadley, ch. engr., Ry. Exch. Bldg., soon take bids rein.-con. grade crossing under railroad tracks at Tholozan Ave. $32,000. L. R. Bowen, 301 City Hall, engr.

Coaling Station—Gurdon, Ark.—Missouri Pacific R.R. Co., E. A. Hadley, ch. engr., Railway Exch., St. Louis, Mo., making preliminary plans 300 ton rein.-con. mechanically operated coaling station, with 10 ton dry sand storage overhead, etc., here. $58,000.

Gas Pipe Line, etc.—Texas—Lone Star Gas Co., 1915 Wood St., Dallas, making plans 33 mi. natural gas pipe line from Waco to Temple, $600,000, also natural gas plant, at Temple, $500,000. Private plans.

Gas Pipe Line—Texas—Upham Gas Co., Mt. Vernon, O., plans 50 mi. 8- to 10-in. pipe line between Iowa Park and Olney, here. W. Watkins, Quanah, engr.

Pipe Line—Texas—Humble Pipe Line Co., Humble Oil Bldg., Houston and Amarillo, making plans 140 mi. 10 in. oil pipe from Burnett Station south of Borger, etc. $3,000,000. Private plans.

Transmission Line—Texas—Texas Electric Serv. Co., c/o J. W. Carpenter, Wichita Falls, making plans 150 mi. high tension electric power transmission lines in West Texas. $200,000. Private plans.

Swimming Pool—La Feria, Tex.—See "Buildings—Commercial."

Natural Gas System—Mercedes, Tex.—Rio Grande Valley Gas Co., plans natural gas system. $40,000. Private plans.

Land Development—McAllen, Tex.—Montezuma Country Club, Estates, c/o C. R. Carnes, mgr., takes bids in September, developing 500 acre plot, incl. swimming pool $35,000, dredging lake $40,000, and street paving $60,000. B. M. Chalk, c/o Chalk-Eakeldson Co., McAllen, engr.

Wharf—Point Isabel, Tex.—Page L'Hote, Ltd., Carondelet Bldg., New Orleans, La., making plans 1,600 ft. rein.-con. wharf, 60 ft., here. $125,000. Private plans.

Natural Gas System—Rotan, Tex.—C. O. Moore, Throckmorton plans natural gas system. $35,000 or more. Private plans.

Swimming Pool — Red Bluff, Calif. — Plans swimming pool. $25,000 or more.

Swimming Pool, etc.—Taft, Calif.—H. H. Pursel, State Bank Bldg., purchased site and plans 50 x 100 ft. tile swimming pool, with filtering and heating system. $150,000.

Grain Elevator — Port Arthur, Ont. — Union Terminals Ltd., having plans prepared 500,000 bu. addition to grain elevator, concrete, rein.-con. and steel, $350,000. C. D. Howe & Co., Whalen Bldg., engrs.

Bids Desired

Transit Extension—Boston, Mass.—Aug. 17, by Transit Dept., 1 Beacon St., Sect. 2, Rapid Transit System Extension, Andrew Sq. to Fields Corner, Dorchester; Aug. 31, Sect. 3, $4,500,000. E. R. Springall, Transit Dept., engr.

Comfort Station, etc.—New Bedford, Mass.—City, Pub. Building Dept., City Hall, taking bids 1 story, concrete and timber comfort station and skaters' rest house, Buttonwood Park. $25,000. C. Hammond & Son, 179 North Water St., archts.

Escalators—Brooklyn, N. Y.—Aug. 5, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, 2 electrically operated reversible cleat step type passenger escalators, with equipment in connection between 14th St.-Eastern Line and Myrtle Ave. Elevated Line near Gates Ave., here.

Grain Handling Equipment — Brooklyn, N. Y.—Aug. 29, by T. F. Farrel, Comr. Canals & Waterways, Albany, pneumatic equipment for handling wet and dry grain at Gowanus Bay Grain Elevator, here. $32,000; adv. E. N.-R. Aug. 4.

Hoists and Machinery for Dredge—Syracuse, N. Y.—Aug. 11, by T. F. Farrell, comr. Canals & Waterways, Albany, constructing and delivering 2 motor driven hoists, $5,000; and Aug. 15, machinery for hydraulic dredge, $62,000; adv. E. N.-R. Aug. 4.

Transmission Line—Illinois—See "Contracts Awarded."

Electrical Equipment—Chicago, Ill.—Aug. 10, by City, Room 406, City Hall, constructing, delivering and installing entire electrical equipment for double-leaf trunnion bascule bridge over South Branch Chicago River at West Roosevelt Rd. R. W. Wolfe, comr. Pub. Wks.

Operators Houses, etc. — Chicago, Ill. — Aug. 10, by City, Room 406, City Hall, furnishing labor, tools, materials, etc. and constructing operators houses and enclosure walls for double-leaf trunnion bascule bridge over Chicago River at North La Salle St. R. W. Wolfe, comr. Pub. Wks.

Wharf—Houston, Tex.—Aug. 11, by Port Comn., open Wharf 14, and Wharf 15, with 1 story shed. $300,000. C. C. Crotty, Houston, engr.

Gas Drums—Anaheim, Calif.—See "Contracts Awarded."

Contracts Awarded

Airplane Hangars—Barnstable, Mass.—F. Dupont, steel and timber hangars, to Daniel Bros., Wianno. Engrs. est. $25,000.

Bulkhead—New Bedford, Mass.—City, Eng. Dept. bulkhead, timber pilling, rip rap, Clarks Cove, to Merritt, Chapman & Scott Co., 292 Pequoit Ave., New London, Conn. Engrs. est. $25,000. Noted July 6.

Lighting System—Newport Beach, Calif.—Ornamental lighting system on Coast Blvd. between Avocado Ave. and Track 673, to Walker & Martin, 402 South Wilshire Blvd., Fullerton, $29,000.

Athletic Field—Newton (Ind. br. Boston), **Mass.**—City, E. O. Childs, mayor, athletic field, Walnut St. near high school, to P. Salucci, Waltham, $71,725. Noted July 21.

Turbine Room—East Walpole, Mass.—Bird & Sons, Inc., 1 story, concrete and steel turbine room extension, to J. Gascoigne & Co., 6 Beacon St., Boston. Noted July 7.

Lighting System—San Diego, Calif.—Common Council, ornamental lighting system on Bway., to Paulson Constr. Co., 621 Detweiler Bldg., Los Angeles, $34,475.

Boardwalk—Long Island City, N. Y.—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., boardwalk, etc. along ocean front from Beach 81st to Beach 109th Sts., to Muccinni & Decker, Inc., Queens Village, $437,836. Noted July 14.

Shed—New York, N. Y.—M. Cosgrove, comr. Docks, Pier "A," foot Battery Pl., shed on East 139th and 140th Sts. Dump, on Harlem River, Contr. 1852-C, to E. O. Roberts Co., Inc., 52 Vanderbilt Ave., $21,450. Noted July 7.

Cribbing Wall—Portsmouth, O.—C. C. Lynn, dir. Serv., 1,600 ft. concrete cribbing-wall along Gallia St., to R. C. Products Co., Engineers Bldg., Cleveland, $48,852.

Transmission Line — Illinois — Illinois Power & Light Corp., 231 South La Salle St., Chicago, will construct approximately 70 mi. 66,000 volt high power transmission line between Decatur and Champaign, with own forces. E. S. Height, c/o owner, engr.

Grade Separation—Wisconsin—State Hy. Comn., Madison, constructing grade separation on Project 349-F, Milwaukee Co., incl. 5,500 sq.yd. concrete paving, etc., to W. F. Hunt, 445 Milwaukee St., Milwaukee, $40,818.

Coaling Station—Kansas City, Mo.—St. Louis & San Francisco R.R. Co., F. G. Jonah, ch. engr., St. Louis, 400 ton, rein.-con. automatic coaling station, to Roberts & Schaefer, 400 North Michigan Ave., Chicago, Ill.

Gas Pipe Line—Texas—Prairie Oil & Gas Co., Amarillo, 250 mi. 12 in. main line and 40 mi. 6 and 8 in. gathering lines, to Natl. Supply Co., Union Bank Bldg., Pittsburgh, Pa., approximately $3,000,000.

Harbor Improvements—Owen Sound, Ont.—Dept. Pub. Wks., Ottawa, harbor improvements, here, to I. E. Woodrick, Owen Sound, $39,948.

Tunnel—Wichita Falls, Tex.—State Hospital for Insane, steam tunnel to connect with main building about 6 ft. deep, and 4 ft. wide, to Janes Contg. Co., Wichita Falls, $19,000. Noted May 19.

Gas Drums—Anaheim, Calif.—Southern Counties Gas Co., 810 South Flower St., Los Angeles, will build two gas drums, area tanks approximately 52 x 200 ft., with 1,000,000 cu.ft. gas to supply community from 12 to 14 hrs., at 112-114 North Topeka St., here, by day labor. $107,069.

Ornamental Lighting System—Huntington Park, Calif.—Ornamental trolley pole lighting system, etc. on Pacific Ave., to G. W. Kember, 3701 South Overland St., Los Angeles, $75,935. Noted May 5.

Docks—Port Arthur, Ont.—Dept. Pub. Wks., Ottawa, improving and repairing 2 timber and concrete docks, here, to Chambers McQuigge & McCaffrey, 36 Toronto St., Toronto, $184,900. Engrs. est. $185,000.

Grain Elevator, etc.—Victoria, B. C.—Panama Pacific Grain Terminals 1,000,000 bushel elevator and storage plant at Ogden Point Docks, to Smith Bros. & Wilson Ltd., 850 Hastings St. W., Vancouver $658,690.

Materials

Proposed Work

Cement—Merced, Calif.—P. J. Thornton, Co. Clk. and W. E. Bedesen, Shafer Bldg., Co. Surveyor, plans to purchase 6,500 bbls. portland cement.

Ties — Canada — Canadian Natl. R.R., Montreal, Que., in market approximately 9 million pine, hemlock, cedar, tamaval, beach, maple, birch track ties, ⅓ of this amount to be treated by creosoting process, 6,000,000. L. Lavoie, Montreal, purch. agent.

Bids Desired

Brick—New York, N. Y.—Aug. 11, by P. J. Dooling, comr. Purchase, Municipal Bldg., fire brick to Dept. Street Cleaning.

Frogs, Slips and Crossings—Phila., Pa.—Aug. 9, by C. E. Walsh, purch. agt., Pennsylvania R.R. Co., 15 North 32nd St., West Phila., frogs, slips and crossings Contr. 97.

Slag Ballast—Phila., Pa.—See "Bridges."

Steel Roadway Castings—Chicago, Ill.—Aug. 10, by City, Room 406, City Hall, furnishing and delivering at bridge sites steel roadway castings for bridges at Lake, Erie and Franklin-Orleans Sts. R. W. Wolfe, comr. Pub. Wks.

Portland Cement—Minnesota—Aug. 16, by State Hy. Comn., St. Paul, approximately 36,857 bbl. portland cement.

Gravel — Houston, Tex. — Aug. 15, by Harris Co., 10,000 tons gravel. $10,000. A. J. Wise, Houston, engr.

Contracts Awarded

Portland Cement—Minnesota—State Hy. Comn., St. Paul, to Universal Portland Cement Co., 836 Security Bldg., Minneapolis, approximately 46,000 bbl. portland cement at $2.71 per bbl. at Crosby; $2.97 East Grand Forks; and $2.52 Wilson Station.

See proposal advertising on page 159

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UNIT PRICES

On actual contracts gathered by field correspondents, also those sent in by readers

Unit Price Lists Published in July, 1927

		Issue of
Approaches to Viaduct	Cincinnati, O.	July 28
Breakwater	Muskegon, Mich.	July 14
Bridge	New York-New Jersey	July 7
Bridges	Washington	July 14
Bridge	New York-New Jersey	July 21
Bridge	Oakland, Calif.	July 28
Conduit	Syracuse, N. Y.	July 14
Levee and Sea Wall	Beardstown, Ill.	July 28
Locks	Pittsburgh, Pa.	July 7
Paving	Lees Summit, Mo.	July 21
Road	Texas	July 14
Road	Michigan	July 21
Road	Kansas	July 28
Road	Indiana	July 28
Road	New Hampshire	July 28
Sewage Disposal Works	Parsons, Kan.	July 14
Sewage Pumping Station	Sound Beach, Conn	July 28
Sewers	Houston, Tex	July 14
Sewers	Sedalia, Mo.	July 14
Sewers	Sound Beach, Conn	July 21
Street Improvements	San Luis Obispo, Calif.	July 14
Water Mains	Syracuse, N. Y	July 21

Water Main—Houston, Tex.

Bids were opened by City, May 23, for laying 12-in. main on Franklin Ave. from Main to Chenevert Sts. and 8-in. main on Franklin Ave. from Chenevert to Chartres Sts., from (A) Southern Construction Co., (awarded contract); (B) The Piling & Foundation Co., Bankers Mortgage Bldg.; (C) C. K. Horton, 2200 Clay St. The unit bids are as follows:

	A	B	C
150 cu.yd. extra excav.	$1.00	$2.00	$1.00
1,500 man hrs. extra labor	.60	.50	.60
10 M. ft. B.M. timber ordered left in trench	40.00	40.00	40.00
20 cu.yd. road gravel	4.00	3.50	4.00
200 extra team hours	.90	.90	.80
For pipe furnished in 16-ft. lengths:			
100 lin.ft. laying 12-in. pipe 0–4 ft. deep	2.00	1.95	2.00
2,800 lin.ft. laying 12-in. pipe 4-6 ft. deep	2.00	2.10	2.20
900 lin.ft. laying 12-in. pipe 6-8 ft. deep	2.20	2.35	2.30
700 lin.ft. laying 8-in. pipe 4-6 ft. deep	1.10	1.20	1.50
250 lin.ft. laying 6-in. pipe 4-6 ft. deep	1.00	.95	1.25
For pipe furnished in 12-ft. lengths:			
100 lin.ft. laying 12-in. pipe 0-4 ft. deep	2.15	2.00	2.15
2,800 lin.ft. laying 12-in. pipe 4-6 ft. deep	2.15	2.20	2.35
900 lin.ft. laying 12-in. pipe 6-8 ft. deep	2.35	2.45	2.45
700 lin.ft. laying 8-in. pipe 4-6 ft. deep	1.15	1.25	1.60
250 lin.ft. laying 6-in. pipe 4-6 ft. deep	1.00	1.05	1.35
Totals	$21,625	$23,370	$23,630

Engineering News-Record, Issue of Aug. 4, 1927.

Road—Port Huron, Mich.

Bids were opened by Div. Engr., State Highway Dept., Port Huron, May 24, for constructing road in Casco and Ira Townships, St. Clair Co. and Lenox & Chesterfield Townships, Macomb Co., from (A) Bishop & Weir, 955 East Jefferson Ave., Detroit, (awarded contract); (B) White Construction Co., 735 Fullerton Ave., Chicago; (C) Pope-Foss Co., Mt. Clemens; (D) Murray & Fremont and Deckerville Construction Co. The unit bids are as follows:

	A	B	C	D
48,855 cu.yd. excav.—earth	$0.48	$0.60	$0.55	$0.60
10,259 sta.yd. excav.—overhaul	.02	.02	.03	.03
194 lin.ft. 12-in. encased tile culvert	1.40	1.40	1.50	1.50
30 lin.ft. 15-in. encased tile culvert	1.75	1.75	1.75	2.00
158 lin.ft. 18-in. encased tile culvert	2.25	2.00	2.60	2.40
56 lin.ft. 24-in. encased tile culvert	3.50	3.40	4.50	3.00
25 lin.ft. relaying 12-in. pipe	.50	.50	.75	.50
20 lin.ft. relaying 18-in. pipe	.60	.60	1.00	.75
333.6 cu.yd. concrete—grade B	16.00	16.00	15.00	18.00
325.3 cu.yd. concrete—grade C	16.00	16.00	15.00	18.00
25,858 lb. steel reinforcement	.05	.05	.06	.06
78 lin.ft. 12-in. reinforced concrete pipe	1.40	1.60	1.55	1.50
12 lin.ft. 12-in. reinforced concrete pipe	2.00	2.50	2.60	2.50
30 lin.ft. 30-in. corr. metal pipe	4.00	4.10	6.00	3.25
43 cu.yd. rip rap	4.00	8.00	9.00	5.00
7.65 mi. seeding	30.00	40.00	30.00	30.00
39 stas. removing brush	10.00	3.00	12.00	10.00
98 sq.yd. removing old pavement	.50	.50	1.25	.50
336 lin.ft. concrete header, detail No. 6	.50	.40	.60	.35
131 lin.ft. railroad header, detail No. 7	1.00	1.50	2.50	1.00
68 lin.ft. w.i. pipe railing	2.00	.60	.75	4.00
91,557 sq.yd. concrete pavement 7-in. center 9-in. edge (mesh reinf.) 5.4 lb. per sq.yd.	1.66	1.75	1.92	1.91
Totals	$189,904	$203,899	$217,567	$220,481

Engineering News-Record, Issue of Aug. 4, 1927.

Bridges—Washington

Bids were opened by State Highway Department, Olympia, May 10, (lowest three) for constructing Camp Mason-Tanner Bridges on State Road No. 2, King County, from (A) Ward Construction Co., P. O. Box 1146, Tacoma, (awarded contract); (B) King & Stillwell, Seattle; (C) C. F. Martin, Seattle. The unit bids are as follows:

	A	B	C
190 cu.yd. class "A" excav.	$1.00	$1.25	$4.20
915 cu.yd. structure excav.	4.00	3.25	5.83
635 cu.yd. concrete class "A" in place	28.50	32.25	36.21
252 cu.yd. concrete class "B" in place	26.50	29.90	23.21
91 cu.yd. concrete class "C" in place	25.00	20.85	20.65
142 cu.yd. concrete class "E" in place	22.00	20.40	22.91
142–160 lb. steel reinf. bars in place	.06	.0575	.035
750 lb. bronze expansion plates in place	1.00	.60	.52
Totals	$43,304	$44,643	$45,473

Engineering News-Record, Issue of Aug. 4, 1927.

Sewer—Chicago, Ill.

Bids were opened by Sanitary District, 910 South Michigan Ave., June 2, for constructing North Side Intercepting Sewer, from (A) W. J. Newman, 21 North Curtis St., (awarded contract); (B) E. J. Albrecht; (C) D. J. O'Connor; (D) G. M. O'Brien; (E) Lydon Construction Co.; (F) Underground Construction Co.; (G) Byrne Bros. Construction Co.; contractors all of Chicago. The unit bids are as follows:

	A	B	C	D	E	F	G
2,425 lin.ft. sewer, 50 in. high by 32 in. wide	$28.00	$31.50	$31.50	$31.00	$81,237.50	$37.00	$48.50
Junction chamber (lump sum)	2,500.00	1,142.00	3,400.00	3,000.00	600.00	3,000.00	5,000.00
120 lin.ft. manholes	25.00	17.00	15.00	30.00	11.00	30.00	15.00
3,900 lb. iron castings and miscellaneous metals	0.10	0.09	0.10	0.15	0.095	0.10	0.25
200 lb. additional reinforcing steel	0.07	0.07	0.07	0.07	0.07	0.07	0.07
5 cu.yd. rock excavation	5.00	5.00	5.00	5.00	5.00	5.00	5.00
50 cu.yd. additional earth excav. in tunnel	5.00	5.00	5.00	5.00	5.00	5.00	5.00
50 cu.yd. additional concrete class A in tunnel	20.00	20.00	20.00	20.00	20.00	20.00	20.00
Totals	$75,079	$81,209	$83,266	$83,649	$83,817	$98,004	$126,676

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UNIT PRICES *continued on page 66a*

CORK on the Roof
Keeps Top Floors Cooler

HOW are *your* top floors these hot summer days? Are they as comfortable as the lower floors; or are they stifling with the heat that pours in through the roofs?

Insulating a roof with Armstrong's Corkboard will stop most of that heat. It will keep your top floor rooms as cool as those below and repay you quickly through the increased efficiency of employees working under comfortable conditions.

Moreover, you will find these same rooms easier to keep comfortably and uniformly warm in winter.

Armstrong's Corkboard is easily laid *right over your present roofing.* By installing it now, you can get the benefit of roof insulation for the rest of this summer, and have it for many summers and winters to come.

Send for these Free Books

"The Insulation of Roofs with Armstrong's Corkboard" contains information on the insulation of all types of buildings.

"The Insulation of Roofs to Prevent Condensation" treats specifically the subject of condensation of moisture on ceilings. Write for these books to Armstrong Cork & Insulation Company, 218 Twenty-fourth Street, Pittsburgh, Pa.

Insulating the roof of the F. N. Burt, Inc., Factory Building at Buffalo, N. Y., with 2-inches of Armstrong's Corkboard.

Armstrong's Corkboard Insulation
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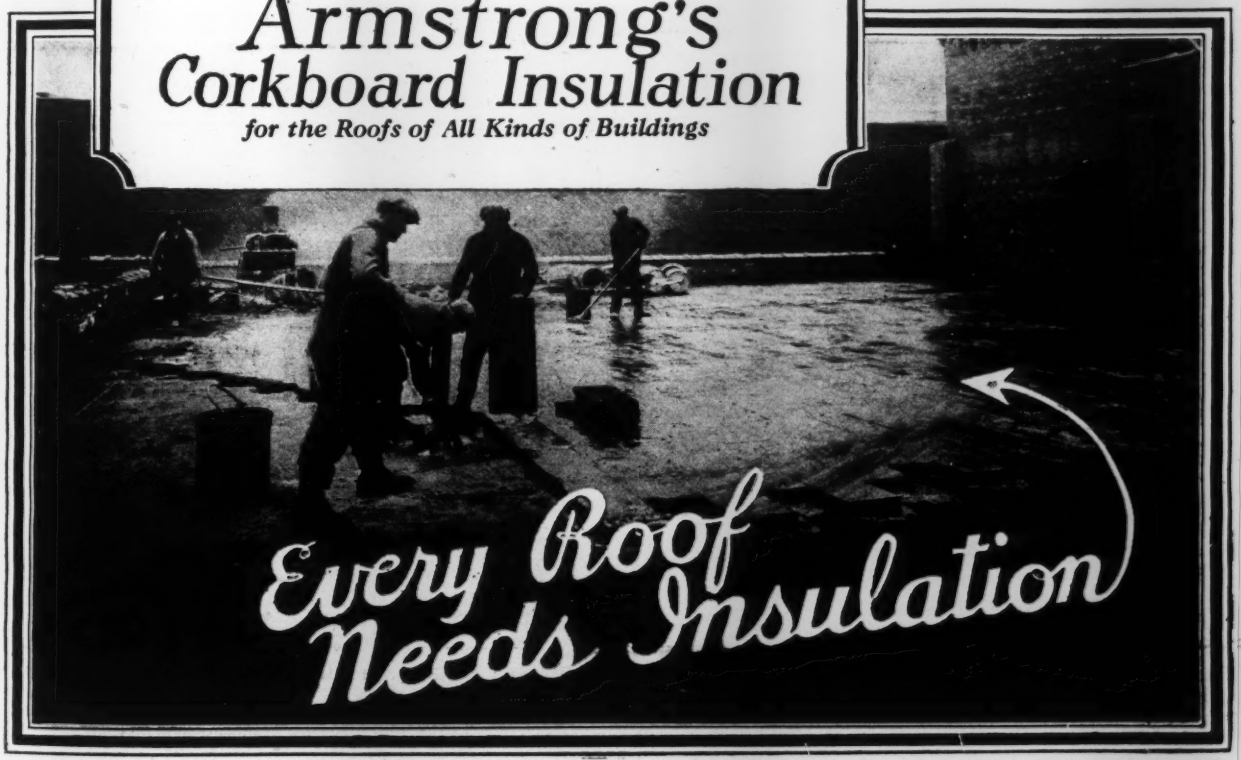

UNIT PRICES

On actual contracts gathered by field correspondents, also those sent in by readers

Road—Texas

Bids were opened by A. J. Wise, County Engr., Courthouse, Houston, for constructing 17.6 mi. LaPorte Road, Harris Co., from (A) Tibbetts Construction Co., Joseph Bldg., Ft. Worth, (awarded contract); (B) Gibson & Mitchell, Pauls Valley, Okla.; (C) Haden & Austin, Houston. The unit bids are as follows:

	A	B	C
6.8 acre clearing	$25.00	$65.00	$50.00
6.8 acre grubbing	75.00	65.00	50.00
88,024 cu.yd. earth roadway excavation	.25	.31	.28
14,237 cu.yd. channel excavation	.30	.30	.25
1,109 cu.yd. structure excavation	.75	.75	1.00
35,464 cu.yd. earth borrow excavation	.25	.29	.25
78,451 sta.yd. earth overhaul	.04	.04	.05
600 roller hr. extra rolling base	3.00	1.50	2.50
272 m.gal. sprinkling base	2.00	2.00	2.50
136 m.gal. water hauled add. mile	1.00	.50	1.50
3,428 cu.yd. subgrade treatment material	2.30	2.00	2.20
13,572 cu.yd. subgrade material hauled add. ½ mile	.06	.07	.07
147,863 sq.yd. reconstructed base course	.03	.04	.03
3,453 cu.yd. base course matl. from barges	1.75	1.75	1.50
4,426 cu.yd. base course matl. from R.R. cars	2.20	2.10	1.90
47,635 cu.yd. base course matl. hauled add. ½ mile	.06	.07	.06
198,893 sq.yd. concrete pavement—Bates type	1.91	2.09	2.20
759,541 lb. reinforcing for concrete pavement	.045	.05	.0525
415 cu.yd. class "A" concrete	18.00	20.00	20.00
65 cu.yd. class "C" concrete	25.00	20.00	20.00
35,599 lb. reinforcing steel	.05	.05	.05
660 lin.ft. 15-in. concrete pipe in place	1.50	2.50	1.50
450 lin.ft. 18-in. concrete pipe in place	1.90	2.90	2.00
370 lin.ft. 24-in. concrete pipe in place	3.00	4.50	3.00
2 catch basins	50.00	75.00	100.00
300 sq.yd. plain riprap	1.50	2.50	2.00
600 sq.yd. old concrete riprap	1.00	1.50	.50
2,600 lin.ft. 6-in. concrete curb	.25	.20	.75
10 support for pavement at bridge ends	100.00	110.00	150.00
2,165 lin.ft. resetting guard fence	.10	.30	.15
2,000 hr. team time	.60	1.00	.90
2,000 hr. labor time	.35	.50	.45
Totals	$566,866	$557,342	$573,946

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Road—New Hampshire

Bids were opened by State Highway Department, Concord, Apr. 15, (lowest three) for constructing Rockingham Rd. in Salem Township, Project 198-C, from (A) B. Perini & Sons Co., Ashland, Mass., (awarded contract); (B) Central Construction Co., Lawrence, Mass.; (C) J. E. Watkins, Amesbury, Mass. The unit bids are as follows:

	A	B	C
1,001 cu.yd. earth excavation	$0.95	$1.10	$1.10
2,724 cu. yd. borrow	.95	1.15	1.10
1,286 cu.yd. Gravel base course one course reinforced concrete	1.20	1.15	1.10
12,300 sq.yd. pavement	2.25	2.45	2.50
12 cu.yd. class C concrete	25.00	20.00	20.00
88 lb. reinforcing steel	.08	.10	.05
92 lin.ft. laying 15 in. R.C. pipe	1.50	1.75	1.00
36 lin.ft. laying 24 in. R.C. pipe	2.50	2.00	1.50
200 lin.ft. wood guard railing	.60	.60	.70
744 lin.ft. wire cable railing WP	.75	.80	.75
Totals	$33,970	$37,045	$37,351

Engineering News-Record, Issue of Aug. 4, 1927.

Dike—St. Louis, Mo.

Bids were opened by Board of Public Service, June 14, for 2,100 ft. of hurdle dike extension of Dike No. 15 on St. Louis County side of Missouri River at Howard's Bend, from (A) Kansas City Bridge Co., Orear-Leslie Bldg., Kansas City, (awarded contract); (B) Fruin-Colmon Contracting Co., Merchants-Laclede Bldg. The unit bids are as follows:

	A	B
215,000 sq.ft. brush mattress	$0.08	$0.15
5,000 cu.yd. stone	4.50	5.00
65,800 ft. piling	.35	.30
65,800 ft. piling driven	.35	.40
Totals	$85,760	$103,310

Engineering News-Record, Issue of Aug. 4, 1927.

Sewers—Union, N. J.

Bids were opened by H. Kreh, Jr., Township Engr., Union Center, June 8, for constructing sewers in Elmwood Ave. and other streets, from (A) Decker & Canning, 395 Grove St., Newark, (awarded contract); (B) L. R. Gilbert, Plainfield; (C) J. Miele & Co., East Orange; (D) Pizzimenti Bros., Little Falls; (E) Spinello Construction Co., Orange; (F) J. Cestone, Montclair; (G) Paulsen Construction Co., New York City. The unit bids are as follows:

	A	B	C	D	E	F	G
800 cu.yd. rock excavation	$2.75	$1.00	$3.50	$3.00	$4.00	$4.00	$5.00
3,600 cu.yd. quicksand	3.00	2.50	3.50	3.00	2.75	4.00	13.00
180 M ft. B.M lumber in place	85.00	25.00	70.00	25.00	65.00	70.00	20.00
100 cu.yd. class "C" concrete	15.00	10.00	15.00	12.00	15.00	19.00	10.00
250 lin.ft. 8 in. sewer 0- 6 ft. deep	1.22	1.70	1.25	1.30	1.50	1.30	2.35
1,500 lin.ft. 6- 8 ft.	1.43	1.70	1.50	1.50	1.60	1.40	2.45
5,850 lin.ft. 8-10 ft.	1.50	2.10	1.70	2.00	2.35	1.80	2.80
175 lin.ft. 10-12 ft.	2.00	2.40	2.25	3.00	2.90	2.50	3.20
880 lin.ft. 15 in. sewer 6- 8 ft. deep	2.00	3.50	2.35	3.50	3.50	4.00	3.25
425 lin.ft. 8-10 ft.	2.40	4.00	2.70	4.25	4.50	5.00	3.60
1,620 lin.ft. 10-12 ft.	2.90	4.50	3.25	5.00	5.00	6.00	4.10
590 lin.ft. 12-14 ft.	3.38	5.00	4.65	8.00	6.00	7.00	4.85
880 lin.ft. 14-16 ft.	4.50	7.00	6.50	10.00	7.00	9.00	6.32
250 lin.ft. 18-18 ft.	6.00	9.00	7.50	12.00	8.00	12.00	7.85
1,100 8x4 in. tees	1.25	1.00	2.00	1.00	2.00	1.50	1.20
100 15x4 in. tees	2.93	2.00	3.25	4.00	4.50	5.00	3.50
25 cut-in connections	8.00	5.00	3.00	4.00	2.00	5.00	2.00
4,000 ft. 4 in. C. I. house connections	1.25	1.50	1.25	1.25	1.50	1.35	2.00
140 manholes	85.00	70.00	80.00	90.00	90.00	100.00	100.00
45 ft. drop manholes	20.00	2.00	15.00	10.00	20.00	10.00	15.00
410 ft. deep house connections	3.25	2.00	2.00	2.00	2.50	1.50	3.00
400 cu.yd. broken stone	4.50	3.00	4.00	6.00	8.00	7.00	3.00
Totals	$107,723	$107,766	$112,632	$116,096	$126,571	$129,466	$137,900

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